PHOTOGRAPH THIS SHEET

AD A076083

DTIC ACCESSION NUMBER

LEVEL

INVENTORY

USAFETAC/DS-79/069

DOCUMENT IDENTIFICATION

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR	
NTIS	GRA&I
DTIC	TAB
UNANNOUNCED	
JUSTIFICATION	
BY	
DISTRIBUTION /	
AVAILABILITY CODES	
DIST	AVAIL AND/OR SPECIAL
A	

DISTRIBUTION STAMP

DDC
RECEIVED
NOV 2 1979
D

DATE ACCESSIONED

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

DTIC FORM OCT 79 70A

DOCUMENT PROCESSING SHEET

Best
Available
Copy

AD A076083

USAFETAC/DS-79/069

DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIC

LANGLEY AFB VA WBAN # 13702
N 37 05 W 076 21 FLD ELEV 10 FT LFI WMO # 74598

PARTS A-F
POR FROM HOURLY OBS: MAR 67-DEC 70, JAN 73-FEB 79
POR FROM DAILY OBS: MAR 46-FEB 79

JUN 01 1979

FEDERAL BUILDING
ASHEVILLE, N. C.

DOCUMENT HAS BEEN AP
RELEASE AND SAL
ITS UNLIMITED."

79 10 26 103

859-4820/b

Review and Approval Statement

This report is approved for public release. These is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

Susan V. Berry

SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
Manager

FOR THE COMMANDER

Walter S. Burgmann

WALTER S. BURGMANN
Scientific & Technical
Information Officer

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS- 79/069	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Langley AFB, Newport News, Virginia		5 TYPE OF REPORT & PERIOD COVERED Final rept. 6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12 REPORT DATE 1 Jun 79 13 NUMBER OF PAGES p.
14 MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED 15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

16 DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18 SUPPLEMENTARY NOTES

19 KEY WORDS (Continue on reverse side if necessary and identify by block number)

*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)

20 ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report is a six-part statistical summary of surface weather observations for Langley AFB, Newport News, Virginia
It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

DD FORM 1 JAN 73 1473

UNCLASSIFIED

19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Virginia

* Langley AFB, VA

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
SNOWFALL
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP
EXTREME MAX & MIN TEMP
PSYCHROMETRIC-DRY VS WET BULB
MEAN & STD DEV .
(DRY BULB, WET BULB, & DEW POINT)
RELATIVE HUMIDITY

PART F STATION PRESSURE
SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY_____	APRIL_____	JULY_____	OCTOBER_____
FEBRUARY_____	MAY_____	AUGUST_____	NOVEMBER_____
MARCH_____	JUNE_____	SEPTEMBER_____	DECEMBER_____

ETAC 20066

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
13702	LANGLEY AFB VA/HAMPTON	N 37 05	W 076 21	10 ft	LFI	74598

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HF BARO.	
1	Langley Fld Hampton, VA	AAF	Mar 46	May 48	N 37 05	W 076 21	5 ft	9 ft	24
2	Langley AFB Hampton, VA	AFB	Jun 48	Jan 58	Same	Same	10 ft	12 ft	24
3	Same	Same	Feb 58	Nov 73	Same	Same	Same	31 ft	24
4	Same	Same	Dec 73	Nov 78	Same	W 076 22	Same	13 ft	24
5	Same	Same	Dec 78	Feb 79	Same	W 076 21	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 46	Located on top of control tower	Selsyn	ML-144D	80 ft	
2	May 54	Located on top of operations bldg	Same	Same	74 ft	
3	Apr 55	Located on top of hangar 5336	Same	Same	96 ft	
4	Mar 60	Located 830 ft N of rnwy 07-25, 1000 ft W of 17-35 rnwy	GMQ-11	RO-2	13 ft	
5	Mar 61	Located 1000 ft NW of intersection of rnwy 7 and 25, 400 ft E of weather observing bldg.	Same	Same	Same	
6	May 65	1. Located 900 ft NNW from center of touchdown point of rnwy 25.	Same	Same	Same	
		2. Located 900 ft SE from center of touchdown point of rnwy 07.	Same		Same	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Mar 70	1. Located 850 ft NE of touchdown point of rnwy 25, 800 ft NNW of centerline.	GMQ-11	RO-362	13 ft	
		2. Located 2600 ft SSW of end of rnwy 17, 675 ft W of centerline.	Same		Same	
		3. Located 800 ft SSE of touchdown point of rnwy 07, 500 ft SSE of centerline.	Same		Same	
8	Dec 70	1. Same	GMQ-20	Same	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
9	Oct 72	1. Located 850 ft NE of touchdown point of rnwy 25, 800 ft NNW of centerline.	Same	Same	Same	
		2. Located 800 ft SSE of touchdown of rnwy 07, 500 ft SSE of centerline.	Same		Same	
10	Feb 79	1. Same	Same	Same	Same	
		2. Same	Same		Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

74-29960

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 STATION | LANGLEY AFB,VA STATION NAME | [illegible] YEARS | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		10.9	.2	1.6		12.6	16.7	3.4			18.6	929
	03-05	.1	12.2	.2	1.1		13.2	18.3	4.5			20.6	930
	06-08		11.9	.4	1.7		13.7	18.7	9.1			24.5	930
	09-11	.1	10.0	.5	2.9		13.1	18.6	14.7	.1		29.6	930
	12-14		8.6		3.7		11.9	13.4	10.9			22.5	930
	15-17	.1	9.0	.1	4.0		13.0	11.0	12.2			21.4	930
	18-20	.1	11.0	.5	2.7		14.0	12.9	5.5	.1		16.5	930
	21-23		10.6	.6	1.5		12.7	15.2	3.1	.1		16.7	930
TOTALS		.1	10.5	.3	2.4		13.0	15.6	7.9	.0		21.3	7439

USAFETAC FORM JULY 64 0-10-5(0L A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-73, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.2	7.0		1.3		7.9	14.1	3.4	.2	.1	17.0	846
	03-05		8.2	.4	2.5		10.6	16.0	4.5	.2	.2	19.1	846
	06-08		7.4	.8	1.7		9.6	20.0	10.8	.2		27.5	846
	09-11		8.7	.6	2.4		11.6	17.4	13.2	.6		28.3	846
	12-14		8.4	.1	3.2		11.1	12.2	11.2	.2	.4	22.2	846
	15-17	.1	8.7	.4	3.1		11.3	11.6	11.0	.4	.4	22.2	846
	18-20	.5	8.6	.2	2.5		11.3	11.0	7.9	.4	.4	18.8	844
	21-23	.2	8.9		2.5		11.2	12.5	4.7		.4	16.4	843
TOTALS		.1	8.2	.3	2.4		10.6	14.4	8.3	.3	.2	21.4	6763

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-70,73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02	.3	11.1		1.5		12.3	13.8	5.2			17.8	930
	03-05	.2	12.2	.5	2.2		14.5	15.5	5.3			19.0	930
	06-08	.2	14.1	.6	1.8		16.5	23.0	15.7			34.0	930
	09-11	.2	11.2	.2	1.4		12.6	18.4	15.2	.2		30.5	930
	12-14	.4	10.5	.3	1.4		11.9	13.8	11.6			23.7	930
	15-17	.2	10.2	.3	.9		11.3	14.8	10.6		.2	23.0	930
	18-20	.3	10.6	.1	.4		11.0	14.8	8.3			20.8	930
	21-23	.4	10.1		.9		10.3	13.9	6.1			18.0	930
TOTALS		.3	11.3	.3	1.3		12.6	16.0	9.8	.0	.0	23.4	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-7[illegible],73-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PPECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02	.6	7.0				7.0	7.2	3.1			9.8	900
	03-05		7.7				7.7	10.1	4.8			13.8	900
	06-08	.2	6.7				6.7	12.7	14.7			23.2	900
	09-11	.3	6.6				6.6	5.7	11.8		.1	16.2	900
	12-14	.6	8.1				8.1	3.8	10.6		.3	13.6	900
	15-17	.6	6.2				6.2	4.0	10.3		.2	12.7	900
	18-20	.9	7.3				7.3	5.6	10.4		.1	14.2	900
	21-23	.6	6.6				6.6	6.0	4.2			8.8	900
TOTALS		.5	7.0				7.0	6.9	8.7		.1	14.0	7200

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-70,73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.8	8.8				8.8	14.7	12.3		.1	24.2	930
	03-05	.3	8.4				8.4	21.5	19.0			33.3	930
	06-08	.4	9.0				9.0	21.3	27.7			39.9	930
	09-11	.2	6.5				6.5	8.1	22.4			28.2	930
	12-14	.5	7.0				7.0	5.7	22.0			25.7	930
	15-17	1.5	7.8				7.8	6.5	20.9		.2	24.6	930
	18-20	1.6	6.6				6.6	7.2	17.6		.6	23.4	930
	21-23	1.7	8.5				8.5	11.5	11.4		.1	20.2	930
TOTALS		.9	7.8				7.8	12.1	19.2		.1	27.4	7440

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.1	7.1				7.1	8.4	18.4			20.6	900
	03-05	.9	7.1				7.1	20.4	28.8			37.3	900
	06-08	.7	5.2				5.2	18.2	41.7			47.7	900
	09-11	.7	4.0				4.0	3.6	34.6			36.4	900
	12-14	.9	4.8				4.8	2.8	31.7			33.0	900
	15-17	3.2	6.3				6.3	3.6	29.1			30.9	900
	18-20	2.4	6.2				6.2	4.0	31.2			33.0	900
	21-23	3.2	6.2				6.2	5.2	17.9			20.2	900
TOTALS		1.0	5.9				5.9	8.3	29.2			32.4	7200

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 LANGLEY AFB,VA 67-70,73-78 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	2.2	6.1				6.1	10.9	25.7			30.1	930
	03-05	1.1	4.9				4.9	24.9	36.5			45.8	930
	06-08	.4	5.3				5.3	24.4	51.9			59.6	930
	09-11	.6	5.4				5.4	5.4	45.4			47.4	930
	12-14	2.6	4.9				4.9	2.0	47.0			47.7	930
	15-17	5.9	8.4				8.4	2.0	46.1			47.4	930
	18-20	6.7	9.1				9.1	3.8	42.5			44.6	930
	21-23	4.7	8.2				8.2	4.2	25.9			28.5	930
TOTALS		3.0	6.5				6.5	9.7	40.1			43.9	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 LANGLEY AFB,VA 77-78 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.3	5.3				5.3	8.0	25.5			29.2	930
	03-05	.8	4.0				4.0	17.3	31.5			37.2	930
	06-08	.5	4.0				4.0	25.9	52.8			58.9	930
	09-11	.3	3.9				3.9	3.5	45.7			47.1	930
	12-14	1.7	4.6				4.6	1.1	41.6			41.9	930
	15-17	5.7	8.5				8.5	1.1	43.0			43.5	930
	18-20	4.9	7.7				7.7	1.3	39.2			39.7	930
	21-23	2.7	6.0				6.0	1.9	25.1			26.0	930
TOTALS		2.2	5.5				5.5	7.5	38.1			40.4	7440

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-70,73-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.8	5.6				5.6	8.1	15.3			20.0	900
	03-05	.1	5.2				5.2	16.2	18.8			27.4	900
	06-08	.1	5.1				5.1	25.7	41.4			51.0	900
	09-11	.3	5.3				5.3	5.8	31.2			34.8	900
	12-14	.2	6.2				6.2	3.4	27.2			29.9	900
	15-17	1.1	5.8				5.8	3.4	29.0			31.4	900
	18-20	1.9	6.1				6.1	4.6	22.8			25.7	900
	21-23	1.1	6.6				6.6	5.2	14.4			17.6	900
TOTALS		.7	5.7				5.7	9.1	25.0			29.7	7200

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 LANGLEY AFB, VA 67-70, 73-78 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02	.3	6.9				6.9	12.4	7.4			15.8	930
	03-05	.4	7.7				7.7	18.2	8.6			22.0	930
	06-08		7.3				7.3	25.9	23.3			38.1	930
	09-11	.1	7.0				7.0	10.1	17.7			24.1	930
	12-14	.3	6.2				6.2	5.7	12.7			16.5	930
	15-17	.8	7.0				7.0	5.7	14.3			18.5	930
	18-20		7.1				7.1	6.8	11.1			15.8	930
	21-23	.1	5.9				5.9	7.7	7.2			12.3	930
TOTALS		.3	6.9				6.9	11.6	12.8			20.4	7440

USAFETAC FORM JULY 68 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		7.4		.2		7.4	15.6	7.6			20.2	900
	03-05		8.7		.1		8.8	19.3	6.7			24.0	900
	06-08	.1	8.9		.2		8.9	24.7	16.1			35.2	900
	09-11		8.8				8.8	14.6	21.4			32.7	900
	12-14	.1	9.1		.4		9.2	10.7	14.7			23.1	900
	15-17		7.7				7.7	9.3	15.3			22.8	900
	18-20	.3	8.0				8.0	10.4	7.3			15.9	900
	21-23	.1	9.0		.1		9.0	12.4	9.0			19.3	900
TOTALS		.1	8.5		.1		8.5	14.6	12.3			24.2	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-70,73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.1	11.5		1.1		12.0	14.5	3.8			16.6	930
	03-05		10.3		.9		11.0	14.4	4.9			17.1	932
	06-08		11.4		1.0		11.9	15.9	9.9			23.1	930
	09-11		12.2	.2	.6		12.8	11.8	13.8			23.8	930
	12-14		11.8		1.1		12.7	10.6	10.1			19.4	930
	15-17		11.9		1.0		12.9	11.0	9.9			20.0	930
	18-20		12.2		.6		12.6	11.2	6.1			15.6	928
	21-23	.1	11.9		.5		12.3	13.7	5.0			16.6	927
TOTALS		.0	11.7	.0	.9		12.3	12.9	7.9			19.0	7435

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-70,73-79 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.1	10.5	.3	2.4		13.0	15.6	7.9	.0		21.3	7439
FEB		.1	8.2	.3	2.4		10.6	14.4	8.3	.3	.2	21.4	6763
MAR		.3	11.3	.3	1.3		12.6	16.0	9.8	.0	.0	23.4	7440
APR		.5	7.0				7.0	6.9	8.7		.1	14.0	7200
MAY		.9	7.8				7.8	12.1	19.2		.1	27.4	7440
JUN		1.6	5.9				5.9	8.3	29.2			32.4	7200
JUL		3.0	6.5				6.5	9.7	40.1			43.9	7440
AUG		2.2	5.5				5.5	7.5	38.1			40.4	7440
SEP		.7	5.7				5.7	9.1	25.0			29.7	7200
OCT		.3	6.9				6.9	11.6	12.8			20.4	7440
NOV		.1	8.5		.1		8.5	14.6	12.3			24.2	7200
DEC		.0	11.7	.0	.9		12.3	12.9	7.9			19.0	7435
TOTALS		.8	8.0	.1	.6		8.5	11.6	18.3	.0	.0	26.5	87637

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

13702 | LANGLEY AFB VA | 46-74 | ALL
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.5	40.3	2.1	13.0		45.5	43.2	45.8	1.7		60.9	1023
FEB		2.3	42.3	1.7	11.6	.4	45.6	40.7	44.7	1.7		59.1	932
MAR		5.7	47.5	.4	6.2	.6	47.2	39.6	40.9	.4		56.9	1022
APR		10.0	46.0	.1	.4	.4	44.5	33.7	41.6		.1	51.3	990
MAY		17.2	46.3			.6	45.7	44.1	48.4		.1	60.5	1023
JUN		20.3	41.4			.4	40.7	43.1	58.2			67.0	990
JUL		28.7	46.8			.2	44.5	44.7	61.2		.4	69.4	1022
AUG		22.7	43.9			.2	41.9	51.5	66.9		.1	74.9	1023
SEP		10.5	35.8				35.1	47.0	53.4		.1	63.8	989
OCT		3.9	35.7		.1	.1	34.5	48.2	45.5			60.2	1022
NOV		2.6	38.6		3.1		39.4	41.9	45.7	.1		57.9	990
DEC		1.5	38.4	.8	5.9		38.8	40.8	44.7	.4		58.2	1023
TOTALS		10.5	41.9	.4	3.4	.2	41.9	43.2	49.7	.4	.1	61.7	12049

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

*1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

*2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.

(2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.

(3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:		U. S. Navy and National Weather Service (USWB)	
Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 47	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

74-2996

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

13732 STATION | LANGLEY AFB VA STATION NAME | [illegible] YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	55.4	13.2	2.3	5.4	3.4	5.8	[illegible]	[illegible]	2.					33.4	1023	3.56	[illegible]	1.10
FEB	55.1	13.3	2.3	6.4	3.7	4.2	[illegible]	5.	2.					32.5	921	3.44	[illegible]	.91
MAR	56.2	10.3	3.3	5.3	4.3	7.2	.4	[illegible]	3.1	.2				29.9	1023	3.58	[illegible]	.95
APR	53.4	15.1	2.3	5.2	4.3	5.3	[illegible]	3.1	1.	.1				31.4	923	3.70	[illegible]	.96
MAY	54.1	15.2	2.4	5.3	3.7	5.9	[illegible]	3.1	2.	.3				32.7	1027	3.89	[illegible]	.94
JUN	57.7	13.4	1.9	3.7	3.3	4.3	.2	4.2	2.	.2	.1			29.9	990	3.62	[illegible]	.86
JUL	51.4	15.7	1.2	4.5	.3	5.7	[illegible]	3.2	3.4	.5				33.2	1021	4.25	[illegible]	1.23
AUG	55.1	13.6	3.2	4.3	3.7	5.1	[illegible]	4.2	4.1	.9				31.3	1023	4.89	[illegible]	.93
SEP	53.3	11.5	2.4	3.1	2.2	4.6	[illegible]	[illegible]	2.4	1.0	.2			34.9	990	4.39	[illegible]	.93
OCT	53.1	11.5	1.3	5.4	3.9	4.8	[illegible]	3.4	2.	.4				35.7	1027	3.79	[illegible]	.95
NOV	56.3	12.1	2.5	5.3	3.5	5.7	[illegible]	[illegible]	1.	.2				29.1	990	3.94	[illegible]	.92
DEC	57.6	11.5	1.8	5.5	2.6	4.9	[illegible]	5.3	2.4					27.7	1023	3.20	[illegible]	.76
ANNUAL	56.1	13.3	2.3	5.4	3.5	5.0	[illegible]	4.7	2.	.3	.0			[illegible]	12048	44.71		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

13702 (STATION) LANGLEY AFB VA (STATION NAME) 46-79 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG	SEP.	OCT.	NOV	DEC.	ALL MONTHS
46			.64	1.13	1.26	.44	1.78	1.14	1.85	.50	.53	.77	
47	.76	.25	.25	1.60	.74	.65	1.02	.65	2.44	.87	4.66	.84	4.66
48	.90	1.42	.87	1.25	4.43	1.13	1.00	2.48	.94	2.05	.65	1.58	4.43
49	.54	1.54	.59	.32	1.37	.49	2.71	2.49	1.03	.93	1.44	.51	2.71
50	.95	.31	.63	.85	.56	1.03*	1.05	2.69	3.57	.70	.80	.68	3.57
51	.57	.57	1.08	.78	.47	1.16	.40	1.35	.36	1.26	1.61	.86	1.61
52	2.34	1.00	1.32	.88	.71	.65	1.48	.49	1.75	.89	2.82	1.14	2.82
53	.27	1.41	1.11	1.41	.57	1.59	.88	1.92	2.35	.20	1.10	.72	2.35
54	1.40	2.32	1.90	1.07	1.73	.24	3.57	.64	2.12	1.80	.53	.67	3.57
55	1.54	.76	.89	.93	.86	.71	1.20	4.80	2.32	.63	.67	.86	4.80
56	.81	1.27	1.34*	.55	.67	1.58	1.37	1.37	.86	1.92	.50	.46	1.92
57	.96	.93	1.29	1.57	.68	1.12	.92	3.39	.96	1.86	1.14	1.83	3.39
58	1.29	1.05	2.79	1.48	2.22	1.18	1.43	2.58	.60	2.58	.55	1.20	2.79
59	.69	.83	.80	2.04	.45	.99	3.11	.45	3.83	2.47	.85	.08	3.83
60	1.06	1.28	1.81	.66	1.39	.88	2.97	3.97	3.38	1.09	.21	1.22	3.97
61	1.07	1.81	1.08	.68	2.52	1.65	.30	1.84	.90	2.20	.51	1.07	2.52
62	1.18	.61	1.56	1.16	.66	1.80	2.68	.99	2.03	3.37	1.46	.61	3.37
63	.59	1.06	.72	.44	.63	5.63	1.04	.95	4.51	.16	1.92	.92	5.63
64	.74	1.01	.79	.73	.55	.87	1.06	1.43	5.15	1.41	1.00	1.31	5.15
65	.64	.44	.95	.57	.20	2.08	3.14	1.13	.53	1.01	.16	.42	3.14
66	.90	1.08	.51	.88	1.44	1.72	2.65	1.54	3.48	.60	.71	1.26	3.48
67	1.24	1.55	.82	.63	1.88	.70	1.07	3.25	1.07	.82	.62	1.26	3.25
68	1.55	.95	1.57	.76	1.58	1.42	.52	.39	2.01	1.16	.78	.64	2.01
69	1.65	.83	1.14	.98	1.24	1.67	1.50	1.21	1.57	1.08	1.02	1.34	1.67
70	.95	1.73	1.02	1.01	.96	1.57	1.45	1.49	1.33	.61	1.04	1.70	1.73
71	1.71	1.42	1.28	1.65	1.29	.97	1.45	3.43	2.79	3.93	1.01	.85	3.93
72	1.36	1.15	.89	1.75	1.07	1.14	1.53	.93	6.51	1.66	1.58	1.69	6.51
73	1.51	1.62	1.31	.69	.77	4.12	1.96	4.88	2.04	2.18	1.32	1.80	4.88
74	1.24	1.53	1.30	.91	1.09	1.66	2.17	2.33	3.61	1.33	.57	.85	3.61
75	1.77	1.56	2.73	3.07	.97	1.12	1.89	2.23	4.03	.77	1.23	1.06	4.03
MEAN													
S D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

13702 (STATION) LANGLEY AFB VA (STATION NAME) 46-79 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR.	MAY	JUN	JUL.	AUG	SEP	OCT	NOV.	DEC	ALL MONTHS
76	2.33*	.55	1.92	.50	1.94	1.13	1.57	.87	1.96	1.21	.62	1.06	2.33
77	1.32	1.54	1.44	.48	1.55	.86	3.02	2.14	.73	1.39	2.13	.97	3.02
78	1.29	.80	1.84	2.29	1.50	1.15	1.68	.97	1.18*	2.13	.80	.91	2.29
79	1.74	1.39											
MEAN	1.178	1.197	1.218	1.099	1.211	1.367	1.723	1.900	2.236	1.395	1.107	1.021	3.541
S D	.490	.466	.575	.599	.798	1.021	.860	1.223	1.466	.867	.851	.388	1.208
TOTAL OBS	1023	931	1023	989	1023	990	1021	1023	990	1022	990	1023	12048

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

13702 (STATION) LANGLEY AFB VA (STATION NAME) 46-79 (YEARS)

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
46			1.55	2.08	1.67	.47	3.68	3.04	4.52	1.25	1.85	.85	
47	2.85	.31	.95	3.95	1.48	.86	1.66	1.33	7.12	3.04	6.88	2.28	34.71
48	3.23	3.63	2.38	4.69	13.03	2.60	2.75	6.17	2.66	2.56	5.23	4.03	52.96
49	1.10	5.30	2.27	.72	3.89	1.53	8.04	8.13	2.98	1.84	2.19	2.02	40.01
50	2.34	1.45	2.53	2.01	2.21	.22	3.59	9.24	5.37	2.13	1.82	2.26	*37.17
51	1.27	2.16	3.21	2.00	1.32	.86	1.40	3.19	.63	3.63	5.88	2.94	32.46
52	6.50	4.98	4.32	2.19	2.69	1.40	4.65	2.64	2.96	1.66	5.30	2.83	42.32
53	1.58	4.15	3.55	4.23	2.11	.13	1.71	5.70	5.72	.52	3.21	3.00	38.53
54	5.18	2.54	4.62	2.45	7.27	.36	7.50	2.04	3.41	3.66	2.08	2.79	43.90
55	2.94	2.75	4.19	2.71	1.63	.74	1.70	8.93	6.43	1.79	1.94	1.59	40.34
56	2.68	5.01	2.50	2.17	2.72	2.52	7.35	4.05	1.99	6.45	1.57	2.49	*41.50
57	4.01	4.39	5.31	3.01	1.39	2.22	1.66	6.15	4.59	2.96	4.69	4.03	44.61
58	4.02	3.53	6.76	3.59	5.17	5.11	4.86	7.13	.64	4.72	1.95	4.24	51.72
59	1.97	1.97	3.30	5.51	1.04	1.55	10.89	.83	5.62	7.51	2.34	2.44	44.97
60	3.64	3.20	3.45	1.51	5.34	2.42	5.12	9.19	4.59	2.93	.72	1.98	44.09
61	3.15	4.90	4.30	1.84	6.20	.10	1.23	4.84	1.73	5.40	1.44	4.39	46.52
62	4.21	2.66	3.39	3.20	2.38	5.95	9.55	3.39	4.35	5.08	4.81	2.84	51.81
63	2.90	3.33	3.42	.85	2.44	1.26	1.41	3.78	5.90	.35	5.02	2.84	42.50
64	3.46	4.98	2.69	2.41	2.17	1.57	2.56	3.74	10.03	3.64	1.81	3.46	42.52
65	2.53	1.80	3.51	2.50	.44	5.91	6.68	3.03	1.08	1.22	.29	.74	29.73
66	3.82	4.04	1.67	2.68	5.58	5.14	5.39	7.15	6.31	1.15	.98	3.36	47.27
67	2.89	3.89	1.86	1.11	4.03	1.20	5.89	10.62	3.25	1.44	1.99	6.19	44.36
68	3.23	1.24	4.31	2.61	3.81	4.82	2.70	1.42	2.43	2.97	3.23	2.88	35.07
69	3.21	3.75	4.59	3.05	1.88	4.99	7.21	3.87	3.29	1.42	2.37	4.86	44.49
70	2.77	4.49	4.26	4.72	1.83	2.83	6.32	4.37	2.56	1.15	2.69	3.96	41.95
71	4.22	3.95	3.12	2.38	7.04	.30	5.31	5.42	6.28	12.49	2.38	2.30	57.39
72	3.68	4.20	3.24	3.54	3.57	6.09	5.09	3.65	11.49	5.05	6.25	5.19	61.04
73	3.48	3.05	5.38	3.37	3.69	2.97	3.59	9.47	2.40	3.30	2.01	7.53	56.24
74	4.84	4.15	5.51	3.13	3.28	5.00	4.77	5.82	4.91	1.63	1.11	3.21	47.36
75	6.06	5.18	10.94	4.20	3.29	1.46	10.53	5.67	9.65	3.42	2.46	4.09	67.22
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 84 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

13702 (STATION) LANGLEY AFB VA (STATION NAME) 46-79 (YEARS)

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR	MAY	JUN	JUL.	AUG	SEP.	OCT.	NOV	DEC	ALL MONTHS
76	4.44	.78	2.97	.62	4.10	.76	4.55	1.39	6.85	3.59	1.55	3.32	*36.94
77	3.71	3.06	4.77	1.55	4.00	2.27	5.71	3.88	1.44	5.33	4.61	3.41	43.76
78	4.76	1.33	7.21	3.93	6.27	3.57	3.39	2.25	1.59	2.28	4.07	3.19	*43.79
79	6.13	4.77											
MEAN	3.540	3.443	3.880	2.703	3.946	3.617	4.845	4.894	4.387	3.292	2.937	3.265	45.376
S D	1.291	1.318	1.898	1.213	2.615	2.207	2.690	2.661	2.692	2.429	1.741	1.378	8.385
TOTAL OBS	1023	931	1023	989	1023	990	1071	1023	990	1022	990	1023	12048

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
RAINFALL
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	LANGLEY AFB VA	[illegible]

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	87.1	3.2	1.0	1.2	1.4	.7	.3	.1	.					5.9	1023	.4	16.3	.0
FEB	88.4	7.0	1.4	.3	1.0	.4	.3	.1	.					5.3	931	.3	12.1	.0
MAR	92.7	3.8	.7	.9	.3	.6	.4		.					4.4	1023	1.3	11.1	.0
APR	99.7	.3													990	TRACE	TRACE	.0
MAY	100.0														1023	.0	.0	.0
JUN	100.0														990	.0	.0	.0
JUL	100.0														1023	.0	.0	.0
AUG	100.0														1023	.0	.0	.0
SEP	100.0														990	.0	.0	.0
OCT	99.9	.1													1023	TRACE	TRACE	.0
NOV	97.4	2.0	.4	.1										.7	990	TRACE	1.0	.0
DEC	94.1	3.7	.9	.7	.4	.2	.4		.4	.1				7.2	1023	1.5	22.0	.0
ANNUAL	95.6	2.1	.5	.3	.2	.2	.1	.1	.1	.0				1.2	12033	.4		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

13702 STATION — LANGLEY AFB VA STATION NAME — 46-79 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
47	.0	3.3	4.2	.0	.0	.0	.0	.0	.0	.0	TRACE	1.4	4.2
48	4.4	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.4
49	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
50	TRACE	2.0	3.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0
51	TRACE	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.1
52	TRACE	4.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	4.0
53	TRACE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.0
54	2.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	4.0	4.0
55	2.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	2.8
56	.1	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0
57	2.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2	2.2
58	4.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	12.0	12.0
59	1.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.0
60	TRACE	5.7	3.8	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.7
61	2.7	1.6	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.7
62	8.9	1.6	2.8	.0	.0	.0	.0	.0	.0	.0	TRACE	4.2	8.9
63	1.1	6.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.0
64	TRACE	5.4	1.1	TRACE	.0	.0	.0	.0	.0	.0	.3	.0	5.4
65	6.4	6.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	6.4
66	7.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1	7.9
67	3.5	6.9	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0	6.9
68	.1	TRACE	.8	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6	2.6
69	TRACE	1.7	2.4	.0	.0	.0	.0	.0	.0	.0	.0	RACE	2.4
70	1.9	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.1
71	.9	.8	7.9	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	7.9
72	.0	.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.0	.2
73	7.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.7
74	TRACE	2.4	3.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.1
75	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

13702 (STATION) LANGLEY AFB VA (STATION NAME) 46-79 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
76	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0	2.0
77	2.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.9
78	2.5	8.0	2.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	8.0
79	.4	7.0											
MEAN	1.92	2.21	1.02	TRACE	.00	.00	.00	.00	.00	TRACE	.04	1.07	3.91
S D	2.580	2.612	1.773	.000	.000	.000	.000	.000	.000	.000	.180	2.297	3.006
TOTAL OBS.	1023	931	1023	990	1023	990	1023	1023	990	1021	990	1023	12050

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

13702 (STATION) LANGLEY AFB VA (STATION NAME) 46-79 (YEARS)

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR.	MAY	JUN	JUL.	AUG.	SEP	OCT	NOV.	DEC	ALL MONTHS
46			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
47	.0	3.3	11.1	.0	.0	.0	.0	.0	.0	.0	TRACE	1.4	15.8
48	10.8	9.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	* 19.8
49	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
50	TRACE	2.0	3.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.0
51	TRACE	.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.2
52	TRACE	5.7	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	5.7
53	TRACE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.0
54	4.2	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	4.0	8.2
55	9.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	10.2
56	.1	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.1
57	4.4	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2	6.6
58	4.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	22.0	28.0
59	1.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.0
60	TRACE	5.7	10.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	16.2
61	3.7	3.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.8
62	15.1	1.6	4.5	.0	.0	.0	.0	.0	.0	.0	TRACE	7.6	28.8
63	1.7	7.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.4	9.7
64	TRACE	11.8	1.1	TRACE	.0	.0	.0	.0	.0	.0	.3	.0	13.2
65	16.3	6.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	23.3
66	15.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2	16.4
67	3.5	7.3	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0	12.8
68	.2	TRACE	.8	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6	* 3.6
69	TRACE	1.7	3.6	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.3
70	4.8	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.6
71	1.0	1.7	8.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	10.9
72	.0	.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.0	.2
73	7.9	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.2	10.1
74	TRACE	2.4	3.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.5
75	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S.D.													
TOTAL OPS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUN 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

13702 STATION | LANGLEY AFB VA STATION NAME | 46-79 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0	2.0
77	6.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.8
78	2.5	9.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	* 14.0
79	.4	12.1											
MEAN	3.41	2.96	1.54	TRACE	.00	.00	.00	.00	.00	TRACE	.04	1.48	8.91
S D.	4.864	3.732	2.981	.000	.000	.000	.000	.000	.000	.000	.160	4.009	7.964
TOTAL OBS.	1023	931	1023	990	1023	990	1023	1023	990	1021	990	1023	12050

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AIR 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
[illegible]
(FROM DAILY OBSERVATIONS)

13762 [illegible] — [illegible]
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	.06 10	11-25	26-50	.51-1 00	1 01 2 50	2 51 5 00	5 01-10 00	10 01-20 00	OVER 20 00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0 4	0 5-1 4	1 5-2 4	2 5-3 4	3 5 4 4	4 5-6 4	6 5 10 4	10 5 15 4	15 5-25.4	25 5 50 4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4 6	7-12	13-24	25-36	37-48	49 60	61-120	OVER 120					
JAN	88.[illegible]	5.3	2.[illegible]	1.[illegible]	1.[illegible]	1.1	.[illegible]	.[illegible]						5.6	[illegible]			
FEB	89.[illegible]	4.5	1.[illegible]	1.4	1.[illegible]	1.3	.[illegible]	.[illegible]						.7	[illegible]			
MAR	96.[illegible]	2.2	.[illegible]	.7	.[illegible]	.1								1.[illegible]	[illegible]			
APR	100.[illegible]														[illegible]			
MAY	100.[illegible]														[illegible]			
JUN	100.[illegible]														[illegible]			
JUL	100.[illegible]														[illegible]			
AUG	100.[illegible]														[illegible]			
SEP	100.[illegible]														[illegible]			
OCT	100.[illegible]														[illegible]			
NOV	99.[illegible]	.1													[illegible]			
DEC	9[illegible].[illegible]	2.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1	.[illegible]	.[illegible]						.[illegible]	[illegible]			
ANNUAL	97.[illegible]	1.7	.[illegible]	.4	.2	.2	.1	.[illegible]						1.[illegible]	[illegible]			

1210 WS FORM JUL 64 0.15-5 (OL.1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

13702 STATION — LANGLEY AFB VA STATION NAME — 46-79 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG.	SEP.	OCT	NOV.	DEC	ALL MONTHS
46			0	0	0	0	0	0	0	0	0	0	
47	0	3	3	0	0	0	0	0	0	0	0	0	3
48	4	6	0	0	0	0	0	0	0	0	0	TRACE	6
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	1	2	0	0	0	0	0	0	0	TRACE	0	2
51	0	1	0	0	0	0	0	0	0	0	0	0	1
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	1	0	0	0	0	0	0	0	0	0	1
54	3	0	0	0	0	0	0	0	0	0	0	3	3
55	2	0	0	0	0	0	0	0	0	0	0	TRACE	2
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	3	0	0	0	0	0	0	0	0	0	0	TRACE	3
58	4	1	0	0	0	0	0	0	0	0	0	13	13
59	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
60	TRACE	3	4	0	0	0	0	0	0	0	0	TRACE	4
61	2	TRACE	0	0	0	0	0	0	0	0	0	0	2
62	6	1	2	0	0	0	0	0	0	0	0	2	6
63	1	6	TRACE	0	0	0	0	0	0	0	0	0	6
64	0	6	0	0	0	0	0	0	0	0	0	0	6
65	6	4	0	0	0	0	0	0	0	0	0	0	6
66	13	13	0	0	0	0	0	0	0	0	0	1	13
67	4	7	0	0	0	0	0	0	0	0	0	2	7
68	0	0	2	0	0	0	0	0	0	0	0	3	3
69	0	0	1	0	0	0	0	0	0	0	0	0	1
70	1	2	0	0	0	0	0	0	0	0	0	0	2
71	TRACE	2	3	0	0	0	0	0	0	0	0	0	3
72	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
73	8	TRACE	0	0	0	0	0	0	0	0	0	2	8
74	0	2	1	0	0	0	0	0	0	0	0	0	2
75	1	0	TRACE	0	0	0	0	0	0	0	0	0	1
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AUG 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

13702 LANGLEY AFB VA 40-79
STATION STATION NAME YEARS

DAILY SNOW (PT.) IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR	MAY	JUN	JUL	AUG.	SEP.	OCT	NOV	DEC	ALL MONTHS
76	TRACE	0	0	0	0	0	0	0	0	0	0	2	4
77	3	0	0	0	0	0	0	0	0	0	0	0	3
78	1	6	2	0	0	0	0	0	0	0	0	0	9
79	0	5											
MEAN	1.9	2.1	.6	.0	.0	.0	.0	.0	.0	.0	TRACE	.8	3.4
S D	2.934	3.025	1.113	.000	.000	.000	.000	.000	.000	.000	.000	2.373	3.421
TOTAL OBS.	1023	932	1023	990	1023	990	1023	1023	990	1021	990	1023	12051

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

   NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

   A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

   a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

   b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

   NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

74-29962

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

13702 STATION LANGLEY AFB VA STATION NAME 49-79 YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC.	ALL MONTHS
49	N *30	N *39	NW 34	NW 39	NW *35	SW 35	SW 43	NE 32	N 30	N 39	WSW 36		
50	WSW*34	N *28	SSW*57	N 43	NE 41	W 41	NW 36	NW 41	NNE*32	36	NW*44		
51	WSW*43	SW 56	E *37	NW*43	NW*59	NW*36	NW*42	NW 45	N 35	N 43	ESE 47	WSW 43	WNW*59
52	NW 46	NE 47	WSW 47	SW 40	WSW 38	NW 56	NW 48	SSW 47	NE 35	N 43	NE 46	ENE 42	WNW 56
53	WSW 40	NW 46	W 48	NW 40	NW 47	W 33	NE 28	N 08	NNW 46	N 36	NW 55	SW 52	N 68
54	WNW 42	NW 46	SW 45	NE 43	SW 36	W 41	NW 42	NW 49	NW 51	S 33	SW 45	N *49	S 53
55	NNW 35	NW 51	WSW*50	WSW 30	N 31	NW 34	NW 35	NE 46	ENE 50	NW*40	N 50	NW 33	WNW 51
56	SSW*45	SE*24	WSW*52	NE 61	NW 45	W 30	49	WNW 49	NNE 55	N 39	NW 34	SW 36	NNE 61
57	WSW 59	N 40	W 42	WNW 54	NE 38	WSW 48	W 37	NNE 50	NE 35	N 52	WNW 48	N 40	WSW 59
58	E 55	E 42	N 38	N 37	SW 42	SW 47	55	40	NNE 54	NE 46	N 42	ENE 57	ENE 57
59	WNW 46	NW 41	WSW 47	NNE 42	SSW 40	N 40	NW 36	NNE 26	ENE 35	ENE 30	N 36	N 35	WSW 47
60	WNW 46	WSW 46	NNW 41	SSW 34	NW 48	SSW 40	SE 35	*29	WNW 61	NW 29	N 28	NW 38	WNW 61
61	N 36	SW 35	N 31	SSE 36	W 28	SW *26	NW 32	NW 30	NE 26	L 31	N 28	NW 27	SW 46
62	NW 34	N 26	NE 43	WNW 36	W 30	NW 40	NW 39	NW 28	NNE 25	NW 25	SE 42	N *37	NNE 46
63	NW*27	NE 27	NW 33	WNW 38	W 28	SSW 40	NE 23	SSE*51	NNE 33	NW 32	WNW 38	W 27	SSE*51
64	SW 38	W 44	WSW 52	WSW 39	SW 40	N 36	NW 36	E 35	NE 48	NE 45	NW 36	NW 41	WSW 52
65	NNE 39	SW 50	SW 34	W 33	E 32	E 49	E 33	N 38	SW 27	SSE 36	WSW 31	N 30	SW 50
66	WNW 44	SSW 45	WNW 43	NW 38	W 32	NE 31	NE 33	E 35	E 27	N 27	SW 40	SW 31	SSW 40
67	SSW 33	SW 37	NW 52	WSW 37	NW 46	W 38	NW 33	WNW 32	W 47	SW 46	N 49	W 36	NW 57
68	W 40	NW 32	NNW 36	NW 37	ENE 37	NW 37	32/ 40	34/ 28	2/ 22	27/ 33	21* 35	25/ 45	ENE 47
69	1/ 39	63/ 40	1/ 40	24* 37	21/ 32	29/ 41	18/ 42	1/ 45	4/ 28	24/ 34	36/ 39	32/ 44	1/ 45
70	33/ 42	36/ 44	35/ 37	21/ 50	26 31	27/ 50	27/ 47	27/ 37	35/ 37	5/ 35	26/ 50	29/ 46	21/ 50
71	27/ 54	20/ 51	23/ 66	2/ 50	29/ 42	35/ 33	32/ 45	35/ 52	3/ 43	8/ 45	9/ 35	34/ 47	23/ 66
72	24/ 37	17/ 55	30/ 40	30/ 45	5/ 40	32/ 47	3/ 32	18/ 42	36/ 36	8/ 42	27/ 45	28/ 40	17/ 55
73	29/ 38	2/ 46	4/ 50	27/ 36	25/ 47	18/ 36	21/ 28	29/ 40	34/ 30	26/ 33	23/ 36	5/ 42	24/ 50
74	29/ 32	24/ 45	21* 36	30/ 42	32/ 43	21/ 51	15/ 41	35/ 37	6/ 32	32/ 31	36/ 34	11/ 45	21/ 51
75	27/ 40	22/ 36	28/ 44	22/ 49	35/ 37	35/ 30	14/ 37	5/ 32	26/ 59	35/ 37	3/ 34	29/ 31	26/ 59
76	35/ 37	36/ 44	30/ 43	2/ 37	24/ 45	22/ 46	35/ 35	34/ 38	36/ 29	23/ 40	29/ 38	30/ 39	22/ 46
77	29/ 42	22/ 49	29/ 46	23/ 40	36/ 37	30/ 47	24/ 36	23/ 36	25/ 31	29/ 37	24/ 36	30/ 35	22/ 49
78	23/ 61	30/ 39	20/ 38	5/ 62	28/ 36	5/ 49	3/ 30	32/ 42	7/ 27	3/ 35	2/ 28	24/ 42	5/ 62
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)
$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

13702 STATION LANGLEY AFB VA STATION NAME 49-79 YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN	JUL	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
79	25/ 38	31/ 43											
MEAN	42.0	43.4	43.2	41.6	38.6	41.0	36.8	40.4	37.8	38.3	39.6	39.3	54.3
S D	7.676	7.161	7.499	7.956	6.139	7.025	6.257	8.908	11.117	10.767	7.274	7.188	6.808
TOTAL OBS.	929	813	866	880	924	873	920	921	896	920	879	888	10709

NOTES * (BASED ON LESS THAN FULL MONTHS)
$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 66-70, 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.8	3.8	4.4	1.0							12.9	9.8
NNE	.5	1.6	2.3	1.9	.5							6.9	9.0
NE	.2	.8	.5	.4	.2	.2						2.4	9.9
ENE	.2	.2	.2	.1								.8	6.7
E	.4	.2	.3	.2	.1							1.3	7.5
ESE	.2	.4	.1	.2								1.0	6.9
SE	.3	.1	.4	.1								1.0	6.7
SSE	.2	.5	.4	.1								1.3	6.8
S	1.3	2.3	.6	.8	.3	.3	.1					5.7	8.3
SSW	.8	3.0	2.9	1.4	.1							8.2	7.7
SW	.8	2.2	3.0	1.9	.5	.1						8.5	9.2
WSW	.1	.8	2.0	1.9	.2	.4						5.3	10.8
W	1.1	2.6	1.8	2.6	.4							8.5	8.6
WNW	1.3	1.8	1.4	.9	.4	.1						5.9	7.7
NW	.3	3.0	1.6	.8	.3							6.0	7.5
NNW	.9	1.2	1.7	2.5	.1	.1	.1					6.6	9.6
VARBL													
CALM												17.9	
	9.0	23.5	23.3	20.2	4.3	1.1	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	3.1	3.8	5.6	.4							14.4	9.2
NNE	.9	1.2	2.0	1.8	.6	.1						6.7	9.7
NE	.3	1.0	.5	.2								2.0	6.6
ENE	.1	.3	.4	.3	.2	.1						1.5	10.6
E	.2	.5	.2									1.0	5.2
ESE	.4	.1	.2	.1								.9	5.6
SE	.4		.3	.2								1.0	7.0
SSE	.1	.2	.2									.5	6.4
S	.9	1.3	1.5	1.1	.1							4.8	7.8
SSW	.5	3.0	2.3	.9	.3		.1					7.1	7.9
SW	.4	2.4	2.5	2.0	.3		.1	.1				7.8	9.5
WSW	.8	1.5	2.3	1.5	.6	.4						7.1	9.8
W	1.4	2.0	4.2	2.5	.5							10.6	8.8
WNW	1.0	1.7	1.2	1.1								4.9	7.0
NW	.9	1.5	2.7	1.2	.2	.2						6.7	8.4
NNW	1.2	1.5	2.5	2.0								7.2	8.2
VARBL													
CALM												15.7	
	11.0	21.4	26.8	20.5	3.4	.9	.2	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 58-70,73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	3.3	4.7	3.5	.9							12.8	9.6
NNE	1.1	1.2	3.0	2.6	.3							8.2	9.1
NE	.2	1.1	.9	.6								2.9	7.9
ENE	.2	.5	.4	.3	.1	.1						1.7	9.4
E	.3	.4	.3	.2								1.3	6.8
ESE	.2	.2	.3	.1								.9	6.4
SE	.2	.6	.3	.1								1.3	6.5
SSE		.6	.2									.9	5.6
S	.4	1.2	1.1	.5								3.2	7.1
SSW	.4	2.0	2.9	1.4	.4							7.2	8.5
SW	.5	2.5	2.0	1.7	.9	.1			.1			7.8	9.8
WSW	.9	2.4	1.9	1.5	.1	.2	.1	.1				7.2	8.8
W	.9	2.2	2.8	2.6	.8							9.1	9.2
WNW	1.3	2.2	1.4	.6	.1							5.6	6.4
NW	1.1	1.8	2.2	1.5	.4	.1						7.1	8.5
NNW	1.0	1.1	2.9	1.4								6.3	7.9
VARBL													
CALM												16.5	
	9.0	23.3	27.4	18.9	4.0	.5	.1	.1	.1			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	3.8	6.7	5.3	.6							17.1	9.3
NNE	.9	1.1	3.4	2.9	.4	.1						8.8	10.0
NE	.2	.8	.9	1.2	.1							3.1	9.8
ENE	.3	.3	1.0	.4	.2	.1						2.4	9.2
E	.3	.8	1.0	.4	.1							2.6	8.0
ESE	.6	.3	.6	.1								1.7	5.5
SE	.2	.6	.2									1.1	5.3
SSE	.2	.8	.6	.3								1.9	7.3
S	.5	1.7	1.1	1.3								4.6	7.7
SSW	.2	.8	2.8	1.7	.2							5.7	9.8
SW	.4	1.3	2.9	2.7	1.0	.2						8.5	10.8
WSW	.3	.4	2.3	1.2	.5	.2	.4	.1				5.5	12.5
W	.5	1.3	2.2	2.0	1.4	.1						7.5	11.0
WNW	.5	.8	1.1	4.0	.4	.2						7.0	11.4
NW	1.1	.8	3.0	1.9	.5	.2						7.5	9.9
NNW	.5	1.8	2.4	1.9	.1	.1						6.9	8.8
VARBL													
CALM												8.1	
	7.7	17.2	32.0	27.4	5.7	1.3	.4	.1				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.2	6.2	4.2	.5	.1						14.4	9.5
NNE	.5	1.9	3.0	2.3	.3	.1						8.2	9.2
NE	1.0	2.3	3.0	1.2	.2							7.6	7.6
ENE	.6	1.4	1.0	.2								3.2	6.2
E	.2	2.0	1.7	.2	.3							4.5	7.6
ESE	.9	1.2	.8									2.8	5.3
SE	.4	1.0	.3	.1								1.8	5.5
SSE	.3	.5	.2		.2							1.3	6.6
S	.4	1.5	1.4	1.1								4.4	7.9
SSW		1.3	2.5	2.2	.5							6.5	10.6
SW	.1	1.0	2.2	4.2	.9	.5						8.8	12.2
WSW		1.0	2.0	2.3	.2	.2	.2	.1				6.0	12.5
W	.2	1.1	2.5	3.0	1.6	.5						9.2	12.8
WNW	.1	.5	1.3	3.3	.9	.3						6.5	12.6
NW	.1	.9	1.7	2.3	.3	.1						5.4	10.9
NNW		.5	2.4	2.3	.5							5.7	11.4
VARBL													
CALM												3.7	
	6.1	20.2	32.2	28.7	6.6	2.3	.2	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	4.5	2.3	1.0							11.0	9.2
NNE	1.2	2.5	2.3	1.7	.5							8.2	8.2
NE	1.6	1.7	1.7	.3	.2							5.6	6.3
ENE	1.1	1.9	2.5	.4								5.9	6.6
E	.6	2.4	1.6	.3	.3							5.3	6.9
ESE	.9	2.6	1.8									5.3	5.7
SE	.4	1.4	.5	.1								2.5	5.6
SSE		.9		.2								1.1	6.5
S	.2	1.0	.9	1.6	.1							3.8	10.0
SSW	.1	.5	1.9	2.0								4.6	10.0
SW	.3	1.2	2.4	2.3	.9	.2	.1					7.3	11.2
WSW	.4	1.6	2.0	1.9	.6	.2						6.9	10.1
W	.8	.9	1.8	3.9	.9	.9						9.0	12.5
WNW	.4	.6	2.6	3.4	.4	.2						7.7	11.2
NW	.3	1.0	1.7	2.7	.4							6.1	10.6
NNW	.5	.6	1.9	.8	.4							4.3	9.3
VARBL													
CALM												5.5	
	9.6	23.3	30.2	24.0	5.8	1.5	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0
4
0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 66-70, 73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.3	3.0	2.5	1.1							10.2	9.0
NNE	1.0	1.5	1.5	1.8	.3							6.1	8.4
NE	1.0	.9	1.6	.4	.4							4.3	8.0
ENE	.6	.4	.4	.3	.1							1.9	7.5
E	.8	1.1	.6		.3							2.9	6.7
ESE	1.6	1.3	.5	.1								3.5	4.4
SE	1.1	1.4		.1								2.6	4.3
SSE	.3	.4	.4	.2								1.4	6.9
S	.6	1.9	1.9	1.7	.1							6.3	8.3
SSW	.5	2.3	2.4	.5	.1							5.8	7.1
SW	.6	1.8	3.0	1.6	.1							7.2	8.5
WSW	.3	1.4	1.3	1.3	.1	.1						4.5	8.9
W	1.1	2.3	2.2	2.4	.6	.6						9.1	10.0
WNW	.9	1.0	.6	1.2	.6	.2						4.5	10.5
NW	1.4	2.2	2.2	.2	.2							6.1	6.2
NNW	.8	1.7	1.0	1.6	.1							5.2	7.9
VARBL													
CALM												18.2	
	14.0	23.8	22.8	16.0	4.3	1.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.3	3.2	3.4	1.3							11.4	9.8
NNE	.3	1.2	1.8	1.9	.2							5.5	9.6
NE	.3	1.2	1.1	1.3	.3	.2						4.4	10.1
ENE	.2	.3	.5	.4								1.5	8.1
E	.3	.4	.3	.1	.2							1.4	8.2
ESE	.1	.5	.3	.1								1.1	6.2
SE	.3	.3	.1	.1								.9	5.4
SSE	.5	1.1	.8	.2								2.6	6.2
S	1.7	2.0	1.3	1.5	.2							6.8	7.2
SSW	.8	2.2	3.1	1.3	.1							7.3	7.9
SW	.8	2.0	2.6	1.7	.4							7.5	8.6
WSW	.1	1.6	1.6	1.7	.6	.3						6.0	10.4
W	1.1	2.3	2.7	2.0	.3	.2						8.6	8.9
WNW	1.2	1.3	1.3	.4	.4	.2						4.8	8.1
NW	1.0	1.3	1.9	.8	.2	.2						5.3	8.2
NNW	.2	1.3	2.2	1.8	.3	.1	.1					6.0	10.2
VARBL													
CALM												18.9	
	10.0	21.3	24.8	18.8	4.7	1.3	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13707 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.8	4.5	3.9	.8	.3						13.0	9.4
NNE	.8	1.5	2.4	2.1	.4	.1						7.3	9.2
NE	.6	1.2	1.3	.7	.2	.1						4.0	8.1
ENE	.4	.7	.8	.3	.1	.1						2.4	7.6
E	.4	1.0	.8	.2	.2							2.5	7.2
ESE	.6	.8	.6	.1								2.1	5.5
SE	.4	.7	.3	.1								1.5	5.6
SSE	.2	.6	.4	.1	.0							1.4	6.6
S	.8	1.6	1.2	1.2	.1	.0	.0					5.0	8.0
SSW	.4	1.9	2.6	1.4	.2		.0					6.5	8.6
SW	.5	1.8	2.6	2.3	.6	.1	.0	.0	.0			7.9	10.0
WSW	.4	1.3	1.9	1.7	.4	.2	.1	.0				6.1	10.4
W	.9	1.8	2.5	2.6	.8	.3						9.0	10.2
WNW	.8	1.2	1.4	1.9	.4	.2						5.9	9.6
NW	.8	1.5	2.1	1.4	.3	.1						6.3	8.8
NNW	.6	1.2	2.1	1.8	.2	.0	.0					6.0	9.1
VARBL													
CALM												13.0	
	9.6	21.8	27.4	21.8	4.9	1.2	.2	.1	.0			100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	3.9	5.8	4.0	.9	.2	.4					16.2	9.9
NNE	.0	.8	2.7	2.1	.0	.2						7.1	10.4
NE	.7	.5	.9	.5	.1							2.7	7.3
ENE	.2	.5	.8	.4								1.9	8.1
E	1.1	.2	.4	.1	.1							1.9	5.5
ESE	.1	.4										.5	3.8
SE	.1											.1	2.0
SSE	.2	.5	.5	.2								1.4	6.8
S	.8	1.1	2.4									4.3	6.2
SSW	.7	2.0	3.8	1.9	.2							8.6	8.4
SW	.9	1.9	1.9	1.1	.5	.1						6.4	8.4
WSW	.4	2.0	1.3	1.4	.5							5.6	8.7
W	1.7	2.4	1.8	1.9	.1	.1						7.9	7.7
WNW	1.1	2.1	.4	.9	.2	.1						4.8	7.4
NW	.8	2.5	1.9	.6	.4	.4	.1					6.6	8.8
NNW	.9	1.5	2.4	2.7	.5	.7						8.3	9.8
VARBL													
CALM												15.7	
	11.3	22.2	26.8	17.8	4.1	1.4	.5					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 66-70,73-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	3.2	6.3	5.0	1.8	.7						18.2	10.3
NNE	.4	1.4	1.8	2.5	.6	.2						6.9	10.6
NE	.6	1.1	1.2	1.3	.2							4.4	8.4
ENE	.1	.2	.2	.4								.9	8.1
E	.5	.2	.3									1.2	5.4
ESE	.2	.2	.2									.7	5.3
SE	.1	.2	.1									.5	4.8
SSE	.2	1.1	.1									1.4	4.8
S	.9	1.7	1.1	.7								4.4	6.3
SSW	.5	1.4	2.6	1.4								5.9	8.2
SW	.5	2.5	2.6	1.5	.1							7.2	8.0
WSW	.9	1.4	1.9	.9	.6	.1						5.9	8.6
W	1.5	2.2	2.2	1.1	.4	.1						7.6	7.6
WNW	1.2	2.5	.9	1.3	.2							6.1	7.0
NW	1.7	1.4	1.2	1.5	.9							6.7	8.9
NNW	.5	1.9	2.2	2.4	.6							7.6	9.7
VARBL													
CALM												14.4	
	11.1	22.7	25.2	20.0	5.4	1.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 STATION | LANGLEY AFB, VA STATION NAME | 60-70, 73-79 YEARS | FEB MONTH

ALL WEATHER CLASS | 0600-0800 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	3.3	5.1	5.4	1.1	.3	.1					16.9	10.1
NNE	.6	.9	2.0	2.0	.7	.3						6.7	11.0
NE	.5	.7	1.9	1.1		.1						4.3	8.8
ENE	.1	1.1	.6	.5								2.2	7.3
E	.2	.2	.									.6	5.0
ESE	.1											.1	2.0
SE	.2	.8	.4	.4								1.8	6.6
SSE	.5	.7	.2	.1								1.5	5.2
S	.1	.8	1.4	.6								3.0	8.2
SSW	.5	1.5	2.2	.8	.1							5.2	8.0
SW	.9	1.7	2.4	2.2	.5							7.7	9.0
WSW	.5	2.2	2.2	.9	.4							6.3	7.9
W	2.4	1.8	2.0	1.5	.6	.1						8.4	7.6
WNW	.9	2.7	1.9	1.3	.4							7.2	7.7
NW	.6	2.0	.8	1.2	.5	.1						5.2	8.9
NNW	.8	2.4	2.8	3.2	.1							9.3	8.9
VARBL													
CALM												13.6	
	10.4	22.9	26.1	21.3	4.3	1.3	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 60-70, 73-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.8	6.9	7.7	.8	.2						20.3	10.3
NNE	.4	2.1	3.0	3.3	1.1	.2						10.0	10.8
NE	.4	1.9	1.4	1.7	.1							5.4	8.4
ENE	.6	1.2	1.3	.4								3.4	6.6
E	.2	.8	.7	.1								1.9	6.2
ESE	.1	.5	.1									.7	5.7
SE	.4	.7	.2									1.3	5.1
SSE	.2	.4	.4	.6	.1							1.9	9.5
S	.1	.7	2.1	.6	.1	.2						3.9	9.6
SSW	.5	.8	2.4	1.4	.4							5.4	9.5
SW	.4	1.2	1.5	2.6	.7							6.6	10.8
WSW	.5	.8	2.1	2.4	.9							6.7	10.9
W	.9	1.9	3.0	2.6	.9	.5						9.8	10.1
WNW	.4	.6	2.1	2.6	.4	.2						6.3	11.4
NW	.2	.6	1.5	1.8	.9	.1						5.2	12.2
NNW	.1	.7	2.7	3.9	.6							8.0	11.1
VARBL													
CALM												3.0	
	6.0	18.7	31.4	32.9	7.1	1.5						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.7	4.5	5.1	1.1	.2						13.1	11.0
NNE	.2	1.4	2.5	3.7	.8							8.6	10.9
NE	.2	2.0	2.5	1.7								6.4	8.2
ENE	.6	1.1	2.2	.6								4.5	7.4
E	.6	1.9	1.5	.5								4.5	6.6
ESE	.6	2.0	.9	.4								3.9	6.1
SE	.2	.2	.6	.2								1.3	7.6
SSE	.1	.7	.6	.1								1.5	6.6
S	.2	.8	2.1	1.2	.1	.4						4.8	10.5
SSW		.7	1.7	2.2	.8							5.4	11.7
SW	.1	.7	.7	2.1	.7	.4	.1					4.8	13.5
WSW	.2	1.2	1.9	3.3	.7	.1						7.4	11.3
W	.4	1.2	4.7	3.9	1.3	.2						11.7	11.3
WNW	.4	.2	1.5	3.7	.7							6.5	11.9
NW	.4	.8	2.0	2.8	1.1	.1						7.2	11.8
NNW	.1	.9	1.9	3.2	.6	.1						6.9	11.3
VARBL													
CALM												1.3	
	5.0	17.6	31.9	34.6	7.9	1.5	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.9	3.8	4.3	.6		.4					10.2	11.3
NNE	.1	2.1	2.1	3.4	.8							8.6	10.5
NE	.2	2.5	3.5	1.2	.1							7.6	8.0
ENE	.4	2.6	3.0	.6								6.5	7.1
E	.7	2.2	3.0	.5								6.4	6.9
ESE	.6	1.9	2.6	.6								5.7	6.7
SE	.1	1.1	1.3									2.5	6.4
SSE		.9	.4									1.3	6.2
S		.5	.7	1.3	.4							2.8	11.5
SSW		.5	1.1	3.5	.1	.2						5.4	12.8
SW		.7	2.2	3.1	.4	.2						6.6	11.4
WSW	.4	.2	1.8	1.2	.7	.1						4.4	11.5
W	.4	1.7	3.1	4.1	.8							10.0	10.5
WNW	.6	.9	3.0	3.8	.6	.2						9.1	10.9
NW		.6	1.7	2.5	.9	.1						5.8	12.1
NNW	.2	.4	1.4	3.0	.2							5.2	11.0
VARSL													
CALM												1.9	
	3.9	19.7	34.5	33.0	5.7	.9	.4					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	3.0	3.1	4.1	.8	.8						12.9	10.3
NNE	1.1	3.1	1.3	2.4	.2		.1					8.2	8.3
NE	2.3	1.9	1.8	.1	.1							6.2	5.2
ENE	.2	1.1	.4	.5								2.1	7.3
E	1.2	1.4	.6	.2								3.4	5.1
ESE	1.4	2.1	.7									4.3	4.6
SE	.7	1.5	1.8									4.0	5.9
SSE	.7	1.5	.5	.2								3.0	5.2
S	.6	1.5	1.9	.6								4.6	7.0
SSW	.7	1.9	2.0	1.8	.6							7.0	8.8
SW	.5	2.1	2.1	1.4	.1							6.3	8.2
WSW	.7	1.1	2.0	.6	.1							4.5	7.2
W	.6	2.3	.8	.6								4.3	6.3
WNW	.7	2.0	1.1	.9	.1	.1						5.0	7.6
NW	.4	1.3	1.9	1.2	.1							4.9	8.6
NNW	.6	1.2	2.4	1.8	.4	.1						6.4	9.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	13.0	
	13.4	29.0	24.3	10.3	2.6	1.1	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	4.4	4.9	3.4	.8	.4	.1					14.8	9.3
NNE	1.4	1.7	1.8	2.5	.8							8.2	9.1
NE	.9	1.2	.4	.4								2.8	5.4
ENE	.2	.1	.2	.5	.1							1.2	10.0
E	.6	1.1	.5	.4	.1							2.6	6.6
ESE	.6	.9	.5									2.0	5.1
SE	.9	.7	.1									1.8	3.3
SSE	.6	.6	.6									1.8	4.9
S	2.3	2.5	2.4	1.4								8.5	6.4
SSW	.8	3.0	3.0	1.4	.4							8.5	7.9
SW	.2	2.4	1.8	1.8	.4							6.5	8.7
WSW	.2	1.3	1.3	.9	.2							4.0	9.0
W	.9	1.5	1.7	.9	.2	.5						5.8	8.8
WNW	1.2	1.2	.7	.6	.2	.4						4.3	8.2
NW	.5	.6	1.9	1.3	.4	.4						5.0	10.8
NNW	.7	.8	2.5	1.7	.2	.4	.1					6.4	10.1
VARBL													
CALM												15.7	
	13.0	24.0	24.1	17.2	3.9	1.9	.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 843

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 66-70,73-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	3.0	5.0	4.9	1.0	.4	.1					15.3	10.2
NNE	.6	1.7	2.1	2.7	.7	.1	.0					8.0	10.2
NE	.7	1.5	1.7	1.0	.1	.0						5.0	7.6
ENE	.3	1.0	1.1	.5	.0							2.9	7.4
E	.0	1.0	.9	.2	.0							2.8	6.2
ESE	.5	1.0	.6	.1								2.2	5.7
SE	.4	.7	.6	.1								1.7	5.7
SSE	.3	.8	.4	.2	.0							1.7	6.1
S	.6	1.2	1.8	.8	.1	.1						4.5	7.9
SSW	.5	1.5	2.3	1.8	.3	.0						6.4	9.2
SW	.4	1.6	1.9	2.0	.4	.1	.0					6.5	9.6
WSW	.5	1.3	1.8	1.5	.5	.0						5.6	9.5
W	1.1	1.9	2.4	2.1	.5	.2						8.2	9.1
WNW	.8	1.5	1.4	1.9	.4	.1						6.2	9.2
NW	.6	1.2	1.6	1.6	.7	.1	.0					5.8	10.3
NNW	.5	1.2	2.3	2.7	.4	.1	.0					7.3	10.1
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	9.8	
	9.3	22.1	28.0	24.1	5.1	1.4	.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 6763

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.6	3.8	3.2	.1	.2						9.8	9.5
NNE	.8	1.7	2.3	.3	.1	.1						5.2	7.3
NE	.9	.5	1.3	.6	.1							3.4	8.0
ENE	.8	.6	1.1	.6	.1							3.2	7.7
E	.2	1.6	1.0	.2	.1							3.1	7.0
ESE	1.0	.6	.4	.1								2.2	4.8
SE	.9	.5	.5	.1								2.0	5.3
SSE	1.1	1.3	.4	.2								3.0	4.9
S	1.6	3.2	2.6	1.6	.2							9.2	7.2
SSW	.5	2.7	4.7	3.4	.4							11.8	9.1
SW	.2	1.4	2.5	.8	.1							4.9	8.0
WSW	.4	1.3	1.0	.5	.1							3.3	7.3
W	.8	1.2	1.7	1.3	.4	.4						5.8	10.3
WNW	.8	1.3	1.6	1.5	.3							5.5	9.0
NW	.8	.8	1.8	1.0	.4	.2						4.8	9.7
NNW	.6	1.4	2.7	2.4	.2	.1						7.4	9.3
VARBL													
CALM												15.2	
	11.8	21.8	29.4	18.9	2.8	1.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.5	4.3	3.5	.8	.2						12.7	9.1
NNE	1.2	2.0	2.3	1.3	.2	.1						7.1	8.0
NE	.1	.8	2.0	1.2	.1							4.2	9.2
ENE	.3	.1	1.0	.4	.1							1.9	8.7
E	.8	1.6	.9	.2								3.4	5.6
ESE		.4	1.0									1.4	7.2
SE	.1	.4	.8									1.3	6.9
SSE	.3	.2	.4	.5								1.5	8.2
S	.9	1.6	1.6	.9	.5							5.7	8.2
SSW	1.3	2.3	2.9	2.7	.6							9.8	8.7
SW	.8	2.6	2.7	2.0								8.1	8.2
WSW	.8	1.2	1.4	.8								4.1	7.6
W	.4	1.9	2.7	1.6	.4	.1						7.2	9.1
WNW	2.0	1.5	.5	.6	.3							5.1	6.3
NW	.6	1.0	1.5	1.6	.4	.1	.1					5.4	9.9
NNW	.6	.9	1.4	1.7	.3	.1	.1					5.2	10.5
VARBL													
CALM												16.0	
	11.0	21.0	27.5	19.1	3.4	.6	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702	LANGLEY AFB, VA	67-70, 75-78	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.8	4.2	3.9	.3							12.2	8.9
NNE	.5	1.1	2.4	1.3	.2							5.6	8.5
NE	.2	1.1	1.7	1.8	.3							5.2	9.6
ENE	.1	.6	1.2	.9	.0							3.4	11.0
E	.4	.9	1.3	.9								3.4	7.9
ESE	.4	.5	1.2	.4								2.6	7.1
SE	.3	.3	.9	.1	.1							1.7	7.8
SSE	.2	.5	.3	.5								1.6	8.5
S	.5	1.1	1.7	1.7	.8							5.3	9.5
SSW	.9	1.9	2.9	2.8	.8							9.2	9.8
SW	.5	1.5	2.9	2.2	.1							7.2	9.3
WSW	.8	.9	2.4	1.1	.1							5.2	8.4
W	.6	1.5	2.0	1.5	.5	.1						6.2	9.1
WNW	1.3	1.6	1.0	.8								4.6	6.4
NW	.8	1.6	1.2	1.2	.5	.2						5.5	9.5
NNW	.5	1.3	2.4	3.0	.2	.3	.1					7.8	10.5
VARBL													
CALM												13.1	
	9.2	19.2	29.6	23.4	4.6	.0	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 61-70, 73-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.2	5.3	4.4	.2							13.0	9.5
NNE	1.2	1.8	4.3	2.2	.1							9.6	8.4
NE	1.0	1.3	2.5	3.8	.3							8.8	9.6
ENE	.5	1.4	1.1	1.0	.2							4.2	8.2
E	.4	1.6	2.0	.9	.3							5.3	8.2
ESE	.2	.8	1.4	.4								2.8	7.6
SE	.4	.6	1.3	.2								2.6	7.1
SSE	.2	.9	.2	.5	.1							1.9	8.7
S	.3	1.3	1.8	1.4	.8							5.6	9.9
SSW	.2	1.1	3.0	2.0	1.0	.3						7.6	11.2
SW	.1	.8	2.4	2.5	1.4	.4						7.5	12.6
WSW	.1	.5	1.1	3.1	.9	.2						5.9	12.8
W	.1	1.2	1.9	2.7	1.0	.2						7.1	11.6
WNW	.1	.3	1.8	1.3	1.0							4.5	11.8
NW	.3	.5	1.3	1.3	.8	.6						4.8	12.8
NNW	.1	.4	1.7	2.7	.6	.4						6.0	12.7
VARBL													
CALM												2.7	
	6.3	16.7	33.1	30.3	8.6	2.3						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 57-70, 73-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.0	4.1	2.9	.9							8.8	10.8
NNE	.5	1.7	3.5	1.5	.4	.2						8.0	9.1
NE	.4	1.8	3.4	1.9	.4							8.1	9.2
ENE	.3	1.7	2.6	1.4	.4							6.5	8.7
E	.4	1.8	2.9	1.1		.1						6.3	8.2
ESE	.1	1.9	2.0	1.3								5.9	8.4
SE	.3	1.0	1.7	.6	.1							3.9	8.3
SSE	.2	.5	.4	.4								1.6	7.8
S	.2	.9	1.7	1.2	.6	.1						4.7	10.9
SSW	.1	.8	2.4	2.6	.6	.9						7.5	12.6
SW	.1	.3	1.5	2.6	1.4	.6	.1	.1				6.8	15.0
WSW	.2	.9	1.3	3.7	1.3	.3						7.6	13.0
W	.5	.8	2.0	3.7	1.4	.8						9.1	12.8
WNW	.1	.1	.6	2.7	1.4	.7						5.2	14.6
NW	.1	.3	1.3	1.6	1.3	.1						4.7	13.2
NNW	.1	.1	.5	2.0	.8							3.5	13.8
VARBL													
CALM												1.7	
	3.9	15.6	32.7	31.5	11.1	3.3	.1	.1				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.5	2.3	2.4	.4	.3						6.2	10.9
NNE	.6	1.1	2.0	1.0	.1	.3						5.2	9.0
NE	.4	1.7	4.3	2.0	.2	.2						8.9	9.1
ENE	.4	2.0	2.9	1.5	.2							7.1	8.4
E	.6	2.0	2.4	.9								5.9	7.4
ESE	.6	2.9	6.5	2.3	.1							12.4	8.3
SE	.4	2.0	2.7	1.3	.2							6.7	8.1
SSE	.3	.2	1.0	.5								2.0	8.3
S		.5	1.2	1.0								2.7	9.5
SSW		.6	1.3	2.7	.9							5.5	12.2
SW		.3	1.1	2.6	1.4	.1						5.5	13.6
WSW		.4	1.4	2.9	.8	.3	.1					5.9	13.4
W	.1	.2	2.4	4.1	1.6	.4	.2	.1				9.1	14.1
WNW	.1	.4	1.4	3.0	1.3	.4	.1					6.8	13.9
NW	.1	1.0	.8	2.3	1.1							5.2	11.7
NNW	.1	.3	.6	1.4	.9	.1						3.4	13.3
VARBL													
CALM												1.5	
	4.3	16.5	34.1	31.7	9.1	2.3	.4	.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 61-70, 73-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.4	1.5	2.2	.2	.1						5.7	9.8
NNE	1.0	2.4	2.5	1.2	.3	.2						7.5	8.3
NE	.5	2.3	1.9	.6	.1							5.5	7.2
ENE	.8	1.6	1.7	.6								4.7	6.8
E	1.1	2.5	1.7	.4	.1							5.8	6.3
ESE	1.2	2.7	1.5	.4								5.8	5.8
SE	1.7	3.9	3.2	.5								9.4	6.1
SSE	.5	2.4	1.9	.6	.3							5.8	7.5
S	.6	1.1	3.0	1.5	.1							6.3	8.8
SSW	.2	1.3	1.5	1.4								4.4	8.7
SW	.6	1.3	3.2	1.9	.2							7.3	8.7
WSW	.6	1.7	1.1	.4		.1						4.0	7.4
W	.3	1.8	2.0	1.2	.8	.4						6.3	10.0
WNW	.2	.6	1.3	1.3	.1	.2	.1					3.9	10.9
NW	.2	1.4	1.9	1.4	.2	.1						5.3	9.4
NNW	.1	.4	.6	1.4	.2	.4						3.2	12.6
VARBL													
CALM												9.0	
	10.1	28.7	30.8	17.2	2.7	1.4	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13707 (STATION) · LANGLEY AFB, VA (STATION NAME) · 67-70, 73-78 (YEARS) · MAR (MONTH)

ALL WEATHER (CLASS) · 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.3	3.0	1.6	.4	.4						8.9	9.2
NNE	.5	.9	3.3	1.1	.1							5.9	8.3
NE	.8	.8	.9	.6	.1							3.1	7.3
ENE	.4	1.1	.8	.5	.2							3.0	7.7
E	1.4	1.6	1.1	.1	.1							4.3	5.3
ESE	1.3	1.6	.4	.1	.1							3.5	4.8
SE	.8	1.2	.8	.3								3.0	5.9
SSE	1.5	1.9	1.0	.2								4.6	5.3
S	2.3	5.4	4.5	3.4	.2							15.8	7.5
SSW	.5	2.9	2.8	1.3	.3							7.8	8.1
SW	.2	1.7	1.8	1.3	.2							5.3	8.3
WSW	.1	1.1	1.2	.5	.2							3.1	8.8
W	.3	1.4	1.5	1.8	.5	.3	.2					6.1	11.3
WNW	.3	1.7	1.7	1.0	.1							4.8	7.8
NW	.4	.8	1.2	1.3	.6	.2						4.5	11.0
NNW	.3	.5	2.2	1.4	.1							4.5	9.3
VARBL													
CALM												11.5	
	12.2	26.8	28.1	16.9	3.4	1.0	.2					[illegible]	7.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 61-70, 73-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.8	3.5	3.0	.4	.2						9.7	9.6
NNE	.8	1.6	2.8	1.2	.2	.1						6.7	8.4
NE	.5	1.3	2.3	1.6	.2	.0						5.9	8.9
ENE	.5	1.2	1.5	.9	.2							4.3	8.4
E	.7	1.7	1.7	.6	.1	.0						4.7	7.1
ESE	.6	1.4	1.9	.6	.0							4.6	7.2
SE	.6	1.2	1.5	.4	.1							3.8	6.9
SSE	.6	1.0	.7	.3	.1							2.8	7.0
S	.8	1.9	2.3	1.5	.4	.0						6.9	8.5
SSW	.5	1.7	2.7	2.4	.6	.1						8.0	9.9
SW	.3	1.2	2.3	2.0	.6	.1	.0	.0				6.6	10.5
WSW	.4	1.0	1.3	1.6	.4	.1	.0					4.9	10.5
W	.4	1.2	2.0	2.2	.8	.3	.1	.0				7.2	11.3
WNW	.0	1.0	1.2	1.5	.6	.1	.0					5.0	10.3
NW	.4	.9	1.4	1.5	.7	.2	.0					5.0	10.9
NNW	.3	.7	1.5	2.0	.4	.2	.0					5.1	11.2
VARBL													
CALM												8.8	
	8.7	20.8	30.6	23.5	5.8	1.6	.1	.0				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.9	2.3	1.6	.4							5.4	9.9
NNE		.6	1.3	1.4	.6	.2	.1					4.2	12.6
NE	.3	1.0	.1	.3								1.8	6.4
ENE	.7	.7	.7		.2	.1						2.3	7.7
E	.6	1.4	1.0	.3								3.3	6.3
ESE	.7	.9	.4	.1								2.1	5.4
SE	.6	.3	.1									1.0	3.7
SSE	1.1	1.1	.4	.1								2.8	4.7
S	1.0	3.0	2.4	2.8								9.2	7.5
SSW	.4	2.3	5.6	3.9	.9	.1						13.2	9.8
SW	1.0	3.0	3.7	3.2	.6	.1						11.6	9.0
WSW	1.1	1.8	1.2	1.1								5.2	7.0
W	1.1	1.0	.9	1.0	.4	.2						4.7	9.0
WNW	.7	1.0	1.0	.1	.1	.2						3.1	7.6
NW	.7	1.6	1.2	1.0	.1							4.6	7.7
NNW	.4	.9	1.3	2.0	.2	.1						5.0	10.5
VARBL													
CALM												20.4	
	11.1	21.4	23.8	18.4	3.6	1.1	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

0300-0500 (HOURS (L.S.T.))

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.7	1.6	2.1	.2	.1						6.3	9.7
NNE	.2	1.1	1.0	1.2	.4	.3						4.3	10.9
NE	.1	.6	.3	1.1								2.1	10.0
ENE	.2	.3	.7	.8	.2	.2						2.4	11.1
E	.6	1.2	1.1	.6	.1							3.8	7.5
ESE	.3	.6	.1	.2								1.2	6.2
SE	.1	.3	.2	.1								.8	7.0
SSE	.4	.8	.6									1.8	5.3
S	1.1	1.7	1.3	.9	.1							5.1	7.3
SSW	.8	2.2	5.6	2.8	.6	.2						12.1	9.5
SW	1.0	2.8	3.1	3.3	.4	.1						10.8	8.9
WSW	1.0	2.4	2.3	1.1	.1							7.0	7.5
W	1.2	2.2	1.3	1.1		.1						6.0	7.4
WNW	1.0	2.3	.8	.2	.1	.1	.1					4.7	6.7
NW	.8	.7	.9	1.2	.2							3.8	8.6
NNW	.3	1.2	2.1	1.3								5.0	8.4
VARBL													
CALM												22.8	
	9.7	22.1	23.2	18.3	2.6	1.2	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.0	2.9	2.3	.6							7.1	10.1
NNE	.3	.9	1.4	1.5	.4	.2						5.1	10.6
NE	.2	1.3	.8	1.0	.1							3.4	8.1
ENE	.2	.3	.7	1.2	.1	.1	.1					2.8	11.7
E	.8	1.0	2.2	1.3		.1						5.4	8.5
ESE	.6	.6	.4									1.6	4.8
SE	.1	.7	.3									1.1	5.5
SSE	.4	.7	.7	.2								2.0	6.2
S	.9	2.1	1.2	1.2	.4							5.9	8.2
SSW	1.0	1.7	3.6	2.0	.4							8.7	8.9
SW	1.0	1.7	4.4	3.3	.4	.3						11.2	9.7
WSW	.8	3.4	1.9	2.9	.4	.1						9.6	9.0
W	1.1	1.3	2.2	2.1	.1							6.9	8.6
WNW	1.0	1.2	1.1	.6	.1	.1						4.1	7.3
NW	.8	1.1	1.3	1.3	.2							4.8	8.3
NNW	.3	1.6	2.3	2.0	.1							6.3	9.3
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	14.0	
	9.9	20.6	27.6	23.3	3.6	1.0	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.7	3.9	3.8	.7	.1						11.3	9.6
NNE	.6	1.1	2.0	2.4	.3	.1						6.6	10.0
NE	.1	1.3	2.7	1.8	.1	.1						6.1	9.2
ENE	.1	1.1	3.0	.8			.2	.1				5.1	10.0
E	1.1	1.6	2.0	1.8								6.7	7.5
ESE	.1	1.2	2.2	.2								3.8	7.7
SE	.3	1.3	.4	.4								2.6	6.3
SSE	.1	.7	.8	.1								1.7	7.1
S	.1	1.8	2.2	1.4	.3	.2						6.1	9.4
SSW	.2	1.6	3.1	3.3	.4	.2	.1					9.0	10.6
SW	.3	.7	1.4	3.6	.9	.6	.1					7.8	12.9
WSW	.1	.4	1.4	3.7	1.4	.2						7.3	13.4
W	.3	1.1	2.9	5.0	.4	.2						10.0	11.7
WNW	.1	.9	.7	1.0	.3							3.0	10.1
NW		.7	.8	2.1	.3	.1						4.0	11.8
NNW	.4	.7	2.8	2.2	.4							6.6	9.9
VARBL													
CALM												2.9	
	5.3	17.8	32.3	33.4	5.8	1.2	.4	.1				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.7	.9	2.3	1.0	.3						5.6	12.5
NNE		1.2	1.8	1.6	.7	.1						5.3	11.1
NE	.1	1.7	2.8	2.2	.3							7.1	9.5
ENE		1.1	4.7	1.8	.1		.1	.2				8.0	10.4
E	.2	2.9	5.6	1.0								9.7	7.9
ESE	.2	2.2	4.7	1.3								8.4	8.1
SE	.2	1.7	1.0	.2								3.1	6.3
SSE	.3	.7	1.3	.2								2.6	7.2
S	.1	.7	2.1	2.0	.2		.1					5.2	10.5
SSW	.2	.6	2.2	4.0	.7	.2	.1					8.0	11.9
SW	.1	.8	1.2	3.9	.9	.8						7.7	13.5
WSW		.7	1.3	2.8	1.0	.2	.1					6.1	13.5
W		.6	3.4	4.3	1.8	.6	.1					10.8	13.4
WNW		.2	.8	1.3	.4	.3						3.1	13.5
NW	.1	.6	1.2	1.3	.3	.1						3.7	11.1
NNW		.6	1.9	1.6	.6							4.6	11.0
VARBL													
CALM												1.1	
	2.0	16.7	36.9	31.9	8.0	2.7	.6	.2				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.3	1.0	1.7	1.0	.2						4.2	13.4
NNE		.6	.3	1.4	.3							2.7	11.4
NE	.2	1.4	1.9	2.2	.9	.1	.3					7.1	12.1
ENE	.1	1.7	4.2	1.4								7.4	8.7
E	.4	2.9	8.7	2.1								14.1	8.2
ESE	.3	2.6	7.0	2.7	.1							12.7	8.7
SE	.1	2.0	3.2	.9								6.2	7.8
SSE	.1	.3	.6	.2	.1							1.3	8.6
S	.1	.9	1.2	1.1	.6							3.9	10.6
SSW	.1	.9	1.9	2.7	.8	.4						6.8	12.3
SW		.3	2.1	2.9	1.0	.6	.1					7.0	13.4
WSW		.4	2.0	2.2	1.0	.2						5.9	12.7
W		.7	2.2	2.8	1.0	.1	.1					6.9	12.2
WNW		.1	1.3	3.2	.6							5.2	12.7
NW		.6	.9	.8	.4							2.7	11.0
NNW		.7	2.0	2.0	.4							5.1	10.9
VARBL													
CALM												.8	
	1.6	16.3	40.6	30.3	8.2	1.7	.6					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 57-70,73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.4	1.7	1.7	.8	.3						5.1	12.0
NNE	.2	.2	1.1	.9	.3	.1	.2					3.1	11.8
NE	.2	.9	1.7	1.3								4.1	9.1
ENE	.2	1.1	1.8	.7	.1							3.9	8.0
E	.7	3.4	4.7	1.0								9.8	7.2
ESE	2.0	5.0	4.3	.7								12.0	6.3
SE	1.0	5.0	3.6	.3								9.9	6.1
SSE	1.0	2.2	2.6	.8								6.5	6.8
S	.2	1.2	4.0	2.3	.1							7.9	9.4
SSW	.1	1.6	3.1	1.8	.2	.1						6.9	9.5
SW	.1	1.3	2.0	1.1	.2							4.8	9.1
WSW	.1	1.3	1.2	1.2	.1	.1						4.1	9.5
W	.1	.9	2.2	1.9	.4		.1					5.7	10.7
WNW	.2	.4	1.0	.8	.6	.2						3.2	11.4
NW	.2	.8	.8	.8	.1							2.7	9.3
NNW	.3	.8	.8	1.1	.1							3.1	9.0
VARBL													
CALM												7.2	
	7.0	26.7	36.4	18.3	3.1	.9	.3					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.9	.9	2.9	.3		.2					5.4	11.6
NNE	.2	.2	1.2	1.2	.2	.1	.1					3.3	11.8
NE	.1	.2	.7	.6		.1						1.7	9.6
ENE	.1	1.0	.9	1.2	.1							3.3	9.0
E	1.2	2.2	1.2	.4	.2							5.3	6.5
ESE	.7	1.9	1.4									4.0	5.5
SE	.6	2.6	.6	.2								3.9	5.4
SSE	.9	3.0	.7	.2								4.8	5.2
S	1.7	4.6	5.0	2.6								14.0	7.3
SSW	.7	2.6	5.8	4.4	1.2	.1						14.8	10.0
SW	.4	2.2	2.3	.7								5.7	7.2
WSW	.3	.6	.8	1.1	.1	.1						3.0	9.8
W	.1	.9	.9	.6	.4	.2						3.1	10.6
WNW	.4	1.2	1.0	.9	.1	.2						3.9	9.0
NW	.2	.8	.9	.6	.6							3.0	10.0
NNW	.2	.4	1.6	.8	.4							3.4	10.2
VARBL													
CALM												17.3	
	8.1	25.2	25.8	18.6	3.8	.3	.3					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.9	1.9	2.3	.6	.1	.0					6.3	10.8
NNE	.2	.7	1.3	1.5	.4	.2	.1					4.3	11.1
NE	.2	1.1	1.4	1.3	.2	.0	.0					4.2	9.7
ENE	.2	.9	2.1	1.0	.1	.1	.1	.0				4.4	9.6
E	.7	2.1	3.3	1.1	.0	.0						7.2	7.6
ESE	.6	1.9	2.6	.7	.0							5.7	7.2
SE	.4	1.7	1.2	.3								3.6	6.3
SSE	.6	1.2	.9	.2	.0							2.9	6.2
S	.7	2.0	2.4	1.7	.2	.0	.0					7.2	8.5
SSW	.4	1.7	3.8	3.1	.7	.2	.0					9.9	10.2
SW	.5	1.6	2.5	2.6	.6	.3	.0					8.3	10.4
WSW	.4	1.4	1.5	2.0	.5	.1	.0					6.0	10.3
W	.5	1.1	2.0	2.3	.6	.2	.0					6.7	10.8
WNW	.4	.9	1.0	1.0	.3	.2	.0					3.8	9.7
NW	.3	.8	1.0	1.1	.3	.0						3.6	9.6
NNW	.3	.8	1.8	1.6	.3	.0						4.9	9.9
VARBL													
CALM												10.8	
	6.8	20.8	30.8	24.1	4.8	1.4	.3	.0				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.1	1.8	1.1	.6		.1					5.4	9.6
NNE	.6	1.5	1.5	1.2	.1							4.9	7.9
NE	.3	.9	.6	.5	.3							2.7	8.8
ENE	.5	.5	1.0	1.1								3.1	8.7
E	.5	1.7	.5	.5								3.3	6.4
ESE	.7	1.0	.3									2.2	4.5
SE	.6	1.2	.3	.2								2.4	5.3
SSE	.6	1.0	.5	.1								2.3	5.2
S	1.1	4.8	3.4	1.6								11.0	7.0
SSW	.9	4.8	5.2	3.7	.2							14.7	8.2
SW	1.9	2.0	3.0	1.4	.1							8.5	7.1
WSW	1.2	2.3	1.6	.4								5.5	5.6
W	1.6	2.6	1.4	.4								6.0	5.6
WNW	.3	1.5	.8									2.6	5.6
NW	.9	1.0	.4									2.3	4.8
NNW	.4	.8	.2	.9	.2							2.5	9.2
VARBL													
CALM												20.8	
	13.1	28.6	22.7	13.1	1.6		.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.9	2.2	1.9	.3							7.1	9.0
NNE	.4	1.3	1.8	.9	.1							4.5	8.1
NE	.3	1.8	2.0	.3	.1	.2						4.8	8.3
ENE	.1	.4	1.0	.4	.5	.2	.1					2.8	12.7
E	.6	1.0	.8									2.4	5.3
ESE	.3	.9	.6									1.8	5.3
SE	.4	.5	.6									1.6	5.3
SSE	.5	.9	.4									1.8	5.3
S	1.8	2.6	2.6	.6								7.6	6.2
SSW	1.1	4.0	5.1	2.2	.2	.1						12.6	7.8
SW	1.2	2.7	3.7	2.3								9.8	7.6
WSW	1.8	2.5	1.6	.4								6.3	5.6
W	1.5	2.7	1.2	.2								5.6	5.2
WNW	.6	2.6	.2									3.4	4.6
NW	.6	1.8	.9	.1								3.4	5.5
NNW	.9	1.3	1.1	1.0								4.2	7.3
VARBL													
CALM												20.1	
	13.1	28.8	25.7	10.3	1.3	.5	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13707 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) MAY (MONTH)

ALL WX, THR. (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.5	2.7	2.3	.1							7.6	8.2
NNE	.1	1.7	2.2	1.9	.2							6.1	9.4
NE	.1	1.1	1.6	2.3	.2	.1						5.6	10.2
ENE	.6	1.1	1.3	.9	.4	.1						4.4	9.0
E	.2	1.6	1.6	.3		.1	.1					4.0	7.9
ESE	.5	1.2	.9	.1								2.7	5.7
SE	.2	.9	.4									1.5	5.7
SSE	.4	.5	.3	.2								1.5	6.1
S	1.3	2.8	3.0	1.3								8.4	6.8
SSW	.8	1.9	4.1	2.3								9.0	8.3
SW	.1	1.0	3.7	4.1								9.5	9.7
WSW	1.2	1.5	2.9	1.4								7.0	7.5
W	1.4	2.0	2.6	1.1	.1							7.2	6.9
WNW	1.2	1.3	1.6									4.1	5.6
NW	.8	1.2	1.5	.3	.1							3.9	6.4
NNW	.5	1.4	1.7	1.2	.2							5.1	8.2
VARBL													
CALM												12.5	
	10.0	23.3	32.0	21.3	1.4	.3	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-4 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 — STATION
LANGLEY AFB, VA — STATION NAME
67-70, 73-78 — YEARS
MAY — MONTH
ALL WEATHER — CLASS
0900-1100 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.3	4.7	2.8								11.1	8.4
NNE	.2	1.3	3.0	1.8	.2	.1						6.7	9.6
NE	.4	1.3	2.8	2.5	.4	.3						7.5	10.3
ENE	.1	1.8	2.4	1.4	.1	.2						6.0	9.0
E	1.0	2.7	3.3	.8	.2							7.8	7.3
ESE	.4	1.3	1.8	.6								4.2	7.3
SE	.2	.9	.2	.2								1.5	6.6
SSE	.3	.3	.8	.2								1.5	7.4
S	.4	1.9	3.3	2.4	.1							8.2	8.7
SSW	1.0	.9	3.7	4.2	.3							10.0	10.1
SW	.8	.9	1.8	3.5	.2							7.2	10.1
WSW	.1	1.5	2.7	2.7	.4							6.9	9.9
W	.5	1.5	4.4	[illegible]	.2							8.8	8.8
WNW	.6	1.0	.8	.8								3.2	7.7
NW	.2	.2	.8	1.2								2.4	9.9
NNW	.2	.3	1.7	1.5	.1							3.9	9.9
VARBL													
CALM												3.1	
	7.8	20.0	37.7	28.3	2.4	.8						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.2	2.4	.9								4.9	7.9
NNE	.0	.3	2.4	1.5	.4							5.3	9.6
NE	.1	2.3	4.0	4.0	.1	.4						11.7	9.8
ENE	.2	2.3	3.7	1.4	.1	.4						7.8	8.7
E	.0	2.0	5.2	1.7								10.1	7.9
ESE	.3	3.1	4.9	1.1								9.5	7.6
SE	.1	1.1	1.9	.3								3.4	7.8
SSE	.3	1.2	.9	.2								2.6	6.5
S	.1	.9	2.8	2.9	.2							6.9	10.1
SSW	.1	.5	1.9	3.2	.0	.1						6.7	12.2
SW		1.1	2.2	3.1	.9	.2						7.4	11.8
WSW	.3	.0	2.2	2.7	.3							5.1	10.6
W	.3	2.0	1.9	2.3	.1							6.7	8.9
WNW	.1	.4	2.3	1.5	.2							4.5	10.1
NW		.4	.5	1.3								2.3	11.3
NNW		.4	1.2	1.2	.2							3.0	10.7
VARBL													
CALM												1.1	
	3.9	20.4	41.1	29.2	3.3	1.0						100.0	9.4

TOTAL OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 61-70,73-78 (YEARS) MAY (MONTH)

ALL AT THIS (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.2	1.7	.6	.3	.1						3.2	10.7
NNE	.1	.3	1.1	.7								2.4	9.1
NE	.1	.8	2.9	2.3	.2	.3						6.6	10.9
ENE	.3	2.0	4.0	2.7	.3	.1						9.7	9.7
E	.5	4.0	7.4	2.6	.1							14.6	8.0
ESE	1.0	3.9	5.5	2.5	.1							12.9	8.0
SE	1.1	2.5	2.9	1.5								8.0	7.2
SSE	.3	.8	1.2	1.0								3.2	7.8
S		1.2	2.7	1.7	.2							5.8	9.7
SSW	.1	.1	1.5	2.6	.2							4.5	11.9
SW	.1	.2	2.3	3.7	1.0	.2	.1					7.7	12.8
WSW	.3	.6	2.4	2.3								5.6	9.8
W		1.1	2.6	1.3	.1	.1						5.5	9.3
WNW	.2	.2	2.4	1.3	.1	.2						4.4	10.0
NW		.3	.9	.8								1.9	9.9
NNW	.1	.3	.6	1.1	.2							2.4	10.6
VARBL													
CALM												1.6	
	4.7	18.5	41.9	29.1	2.9	1.1	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JL. 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.0	.6	1.2	.4							3.5	9.9
NNE	.5	.8	1.6	.5								3.4	7.4
NE	.5	2.0	1.5	1.8	.3							6.2	9.0
ENE	.3	1.8	1.9	1.8		.1						6.0	8.6
E	.4	4.1	3.9	1.3								9.7	7.2
ESE	1.7	4.8	3.2	1.1								10.9	6.4
SE	.9	4.3	3.4	.4								9.0	6.5
SSE	1.0	1.9	3.4	.3								6.7	6.6
S	1.4	2.7	3.7	1.5								9.2	7.2
SSW	.3	1.3	4.0	1.3								6.9	8.4
SW	.2	1.7	3.0	1.9	.1	.1						7.1	9.0
WSW		1.0	1.3	.6	.1							3.8	7.9
W	1.8	1.7	.5	.1	.2							4.4	5.1
WNW	.9	1.0	.6	.3	.3							3.2	7.1
NW	.3	.5	.8	.2	.1							1.9	7.4
NNW	.2	.1	.4									.8	6.1
VARBL													
CALM												7.2	
	10.9	31.4	34.1	14.6	1.5	.6						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70,73-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.9	1.7	.8	.1	.1						4.2	8.5
NNE	.4	1.1	1.2	.3	.2							3.4	8.0
NE	.2	1.0	1.7	1.3	.2							4.4	9.9
ENE	.4	1.2	1.5	1.0	.1							4.2	8.0
E	1.3	2.3	1.5	.9								5.9	6.2
ESE	1.3	1.9	1.0	.1								4.3	5.0
SE	1.4	2.3	.8									4.4	4.6
SSE	1.8	2.6	2.0	.2								6.7	5.5
S	2.7	4.9	6.6	3.0	.1							17.3	7.3
SSW	1.4	2.6	4.8	2.5	.1							11.4	8.0
SW	1.0	1.6	1.8	.9								5.3	7.0
WSW	1.2	2.2	.9	.5	.2							4.9	6.0
W	1.3	1.2	.5	.5								3.5	6.0
WNW	.5	.3	.1	.3	.1							1.4	7.3
NW	.2	.3	.2	.1								.9	6.3
NNW	.1	.3	.3	.3								1.1	8.2
VARBL													
CALM												16.7	
	15.9	26.6	26.7	12.9	1.2	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	1.2	2.2	1.5	.2	.1	.0					5.9	9.0
NNE	.4	1.0	1.8	1.2	.2	.1						4.6	8.7
NE	.3	1.4	2.2	1.9	.2	.2						6.2	9.8
ENE	.3	1.4	2.1	1.4	.2	.1	.0					5.5	9.2
E	.7	2.5	3.0	1.0	.0	.0	.0					7.2	7.4
ESE	.8	2.3	2.3	.7	.0							6.0	6.9
SE	.6	1.7	1.3	.3								4.0	6.4
SSE	.7	1.1	1.2	.3								3.3	6.3
S	1.1	2.7	3.5	1.9	.1							9.3	7.7
SSW	.7	2.0	3.8	2.7	.2	.1						9.5	9.0
SW	.7	1.5	2.7	2.6	.3	.1	.0					7.8	9.4
WSW	.8	1.6	1.9	1.3	.1							5.8	8.0
W	1.1	1.9	1.9	1.6	.1	.0						6.9	7.2
WNW	.6	1.0	1.1	.6	.1	.0						3.4	7.5
NW	.4	.7	.7	.5	.0							2.4	7.5
NNW	.3	.6	.9	.9	.1							2.8	8.9
VARBL													
CALM												10.4	
	9.9	24.7	32.7	19.7	2.0	.2	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 57-70,73-78 (YEARS) JUL (MONTH)

ALL WT. THR (CLASS) 0000-0200 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.2	1.3	.9								3.6	8.2
NNE	.3	.9	.7	.4	.3							2.7	8.2
NE	.3	.6	.5	.4		.1						2.0	8.3
ENE	.1	.3										.4	4.0
E	1.2	2.3	.7	.8								5.0	6.2
ESE	.7	.4	.6									1.7	4.8
SE	.7	1.0										1.7	3.6
SSE	1.3	1.1	.2									2.7	3.8
S	2.6	4.0	3.6	2.4								12.6	6.9
SSW	1.2	3.7	7.0	4.9	.1							16.9	8.4
SW	1.4	2.0	5.6	1.3	.1	.1						10.6	7.9
WSW	.9	1.4	2.7	.6								5.8	7.1
W	1.4	1.1	.7									3.2	4.4
WNW	1.0	.7	.4	.1								2.2	5.0
NW	1.4	.7	.1	.2								2.4	4.1
NNW	.6	.3	1.0	.3								2.2	7.3
VARBL													
CALM												25.3	
	15.3	21.8	25.0	11.6	.6	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) JUN (MONTH)

ALL WF, THF (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.3	1.9	.9								5.2	7.1
NNE	.2	.0	.4	.6	.2							2.0	9.4
NE		.8	.6	.6	.1							2.0	8.5
ENE	.3	1.0	.4	.4								2.2	6.7
E	.9	1.9	.0	.0								3.9	5.8
ESE	.4	.3										.8	2.9
SE	.2	.6										.8	3.7
SSE	.0	.7	.1									1.3	4.3
S	1.8	2.4	2.8	.3								7.3	5.8
SSW	2.2	3.0	5.2	2.2	.1							13.3	7.2
SW	1.2	4.1	6.4	1.4								13.2	7.3
WSW	.9	3.1	2.9	.3								7.2	6.4
W	1.9	1.3	1.1	.7								5.0	5.6
WNW	.9	1.0	.1									2.0	3.9
NW	1.3	1.2		.3								2.9	4.7
NNW	.6	1.1	1.0	.2								2.9	6.0
VARBL													
CALM												27.9	
	14.6	25.0	23.6	8.6	.4							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.4	2.8	2.0								8.3	7.8
NNE	.7	.7	.6	.8								2.7	7.6
NE	.1	.7	.4	1.2	.3							2.8	10.4
ENE	.2	.8	1.6	1.2								3.8	8.8
E	.3	1.3	1.7	.9								4.2	7.6
ESE	.3	1.0	.7									2.4	5.2
SE	.7	.8	.4									1.9	5.0
SSE	.6	.9	.7	.2								2.3	6.0
S	.9	2.1	2.4	.6								6.0	6.5
SSW	1.0	2.7	6.1	1.8	.1							12.2	7.7
SW	.8	2.1	6.0	2.6								11.4	8.4
WSW	1.8	2.2	4.4	1.4								9.9	7.2
W	1.1	3.6	1.6	1.0								7.2	6.5
WNW	1.3	1.1	1.0									3.4	4.6
NW	1.2	.8	.7	.3								3.1	5.5
NNW	1.1	.9	.9	.7								3.6	6.6
VARBL													
CALM												14.7	
	14.3	24.0	31.9	14.1	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	3.8	1.0	.1							9.7	7.6
NNE	.8	1.7	1.3	1.3	.2							5.8	8.5
NE	1.1	2.1	3.0	1.1	.4							7.8	7.8
ENE	.4	1.9	2.8	2.1	.1							7.3	8.8
E	.7	1.9	1.8	1.0								6.1	7.9
ESE	.2	1.7	1.2	.4								3.6	6.9
SE	.7	.7	.6									1.9	5.1
SSE	.6	1.2	.3	.2								2.3	5.7
S	1.4	1.9	3.7	.9	.1							8.0	7.1
SSW	.4	1.9	3.2	2.3	.3							8.2	8.9
SW	.7	1.7	6.2	3.7	.2							12.4	9.3
WSW	.3	1.3	4.2	3.1	.1							9.1	9.5
W	.4	2.0	2.8	1.4								6.7	8.1
WNW	.4	.4	1.2	.4								2.6	7.4
NW	.6	.7	.8	.1								2.1	6.1
NNW	.3	.8	.9	.6	.1							2.9	8.2
VARBL													
CALM												3.6	
	10.1	24.8	37.8	22.9	1.8							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 73-78 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.9	1.7	.9	.3							4.0	9.2
NNE	.6	1.3	2.1	1.0	.2	.1						5.3	8.4
NE	.6	2.2	4.1	1.1	.3							8.3	8.3
ENE	.1	2.1	3.7	1.0	.6							7.4	8.9
E	1.3	3.4	5.6	3.3								13.7	8.4
ESE	.3	2.0	4.9	2.2								10.0	8.3
SE	1.0	2.7	1.0	.7								5.3	6.1
SSE	.4	.7	.8	.4								2.3	7.0
S	.2	1.4	3.4	1.2	.1							6.4	8.8
SSW	.2	1.2	3.9	2.4	.4							8.2	9.5
SW	.2	.7	3.6	2.7	.4							7.6	10.4
WSW	.7	1.0	3.0	2.2	.3							6.8	9.7
W	.2	1.3	2.8	1.4	.3							6.1	8.9
WNW	.2	.6	.9	.4								2.3	7.8
NW	.1	.3	.6	.3								1.3	8.2
NNW	.1	.8	.9	.3	.1							2.2	8.1
VARBL													
CALM												2.6	
	6.1	23.4	42.8	21.8	3.2	.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 61-70, 73-78 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.1	1.2	.1							3.2	9.9
NNE		.8	.8	1.2								2.8	10.2
NE	.9	2.2	3.2	.8	.2							7.3	7.6
ENE	.7	2.0	3.1	1.2	.6							7.6	8.7
E	1.0	4.1	7.1	3.2	.3	.2						16.0	8.6
ESE	1.1	3.6	6.9	3.4								15.0	8.2
SE	.7	1.9	3.7	.8								7.0	7.6
SSE	.2	.9	1.0	.6								2.7	7.7
S	.3	.9	2.8	1.7	.2							5.9	9.5
SSW	.1	.8	3.0	3.4	.2							7.6	10.6
SW		1.1	3.1	1.8	.3							6.3	10.0
WSW	.2	.7	3.7	1.7	.3							6.6	9.6
W	.4	1.3	2.2	.7								4.7	7.8
WNW	.3	.7	1.0	.4								2.4	7.3
NW	.1	.6	.6	.2								1.4	7.2
NNW	.1	.3	.6	.2								1.2	7.5
VARBL													
CALM												2.3	
	6.3	22.4	43.8	22.6	2.3	.2						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 61-70,73-78 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.6	1.9	1.3	.3							5.0	9.2
NNE	1.0	1.0	1.1	.3	.1							3.6	6.3
NE	.8	1.0	.8	.9	.3	.1						3.9	9.0
ENE	.4	1.6	1.0	.6	.1	.1						4.0	8.1
E	1.4	3.6	3.8	1.1								9.9	5.7
ESE	2.1	5.7	4.8	.7								13.7	6.1
SE	1.9	5.6	2.4	.4								10.3	5.7
SSE	1.8	3.1	2.4	.4								7.8	6.0
S	.8	2.3	5.1	2.6	.1							10.9	8.6
SSW	.6	1.1	3.8	1.6	.2							9.2	8.9
SW	.2	2.0	3.2	1.4								6.9	8.4
WSW	.6	1.3	1.2	.4								3.6	7.2
W	.7	1.1	.7	.2								2.7	5.5
WNW	.7	.3	.1	.2	.1							1.4	6.2
NW	.6	.2	.3									1.1	4.5
NNW	.1	.2	.2	.2								.8	8.1
VARBL													
CALM												5.8	
	14.4	30.7	34.9	12.1	1.3	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) JUN (MONTH)

ALL AT THIS (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.1	1.0	.6	.1							3.8	7.9
NNE	.4	1.0	.8	.2	.2							2.7	7.6
NE	.1	.3	1.0	.7	.3	.1						2.6	11.3
ENE	.1	.6	.3	.c								1.6	8.6
E	1.3	3.9	1.4	.3								7.0	5.4
ESE	1.9	1.4	.2	.2								3.8	4.3
SE	1.5	3.1	.0									5.2	4.3
SSE	2.1	3.4	1.1									6.7	4.4
S	3.2	6.2	7.0	4.0	.1	.1						20.7	7.3
SSW	.4	1.8	5.6	2.9	.4							11.3	9.5
SW	.4	1.6	2.6	1.7		.c						6.4	9.1
WSW	.8	1.7	.4	1.1								4.0	7.2
W	1.1	.6		.1	.1							1.9	4.5
WNW	.7	.3	1									1.1	3.6
NW	.6	.3	.1	.4		.1						1.6	8.1
NNW	.2	.3	.3		.3							1.2	9.5
VARBL													
CALM												18.4	
	15.2	27.7	23.6	12.8	1.7	.0						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.4	2.0	1.2	.1							5.3	8.2
NNE	.5	1.0	1.0	.6	.2	.0						3.4	8.2
NE	.5	1.2	1.7	.8	.3	.0						4.6	8.5
ENE	.3	1.3	1.6	.9	.2	.0						4.3	8.5
E	1.0	2.8	2.8	1.5	.0	.0						8.2	7.4
ESE	.9	2.1	2.4	.9								6.3	6.9
SE	.9	2.0	1.1	.2								4.3	5.7
SSE	.9	1.5	.8	.2								3.5	5.5
S	1.4	2.7	3.8	1.7	.1	.0						9.7	7.5
SSW	.8	2.1	5.0	2.6	.2							10.8	8.7
SW	.6	1.9	4.6	2.1	.1	.0						9.4	8.7
WSW	.7	1.6	2.8	1.4	.1							6.6	8.1
W	.9	1.5	1.5	.7	.1							4.7	6.9
WNW	.7	.7	.6	.2	.0							2.2	5.9
NW	.7	.6	.4	.2		.0						2.0	5.8
NNW	.4	.6	.7	.3	.1							2.1	7.4
VARBL													
CALM												12.6	
	12.1	25.0	32.9	15.8	1.5	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7200

USAFETAC FORM 0-8-5 (OL-A) JUL 84 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.5	.3								2.6	6.0
NNE	.5	.5	.4	.3								1.8	6.2
NE	.2	1.0										1.2	4.3
ENE	.3	.2	.3									.9	5.4
E	1.1	2.0			.1							3.2	4.4
ESE	.3	.9	.3									1.5	4.9
SE	.4	.4										.9	3.6
SSE	.6	.1	.1									.9	3.1
S	2.8	2.7	2.2	1.0								8.6	5.8
SSW	2.2	3.9	5.4	3.0								14.4	7.5
SW	1.8	4.9	4.3	2.6								13.7	7.1
WSW	2.5	2.5	2.3	.6								7.8	5.9
W	3.1	2.0	1.6	.2								7.0	4.7
WNW	1.4	1.1	.4									2.9	3.9
NW	1.1	1.2	.5	.1								2.9	4.7
NNW	.2	.4	.2									.9	4.4
VARBL													
CALM												28.9	
	19.2	24.9	18.6	8.2	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 61-70,73-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.6	1.8	.1								4.2	6.2
NNE	.4	.4	.6	.1								1.6	6.1
NE	.4	1.6	.5									2.6	5.3
ENE	.1	.2	.4									.8	6.3
E	.9	1.7	.1									2.7	4.4
ESE	.5	.8										1.3	3.4
SE	.3	.2	.1									.6	3.8
SSE	.5	.3										.9	2.9
S	1.6	1.8	1.7	.1								5.3	5.5
SSW	2.3	3.5	4.5	.8								11.1	6.3
SW	1.9	4.0	6.1	1.9								14.0	7.2
WSW	2.5	3.1	2.5	.2								8.3	5.5
W	3.0	2.9	1.4									7.3	4.5
WNW	2.2	2.6	.3	.1								5.2	4.0
NW	1.8	1.5	.6	.1								4.1	4.3
NNW	.6	.6	.3	.1								1.7	5.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	28.5	
	19.8	27.0	21.2	3.5								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.8	2.5	.8								7.0	6.3
NNE	.9	.3	1.3	.6	.1							3.2	7.9
NE	.2	1.7	2.3	.5	.1							4.8	7.7
ENE	.2	.4	.8	.4								1.8	7.7
E	.3	.5	1.0									1.8	6.3
ESE	.8	.8	.4									1.9	4.7
SE	.3	.5	.2									1.1	4.4
SSE	.2	.6										.9	3.8
S	.9	2.0	1.5	.3								4.7	6.1
SSW	1.2	3.0	3.4	1.5								9.1	7.0
SW	1.6	3.9	6.0	2.8	.1							14.4	7.8
WSW	1.3	3.4	6.2	1.4	.1	.1						12.6	7.4
W	2.5	2.8	2.6	.2								8.1	5.4
WNW	.8	2.2	1.2									4.1	5.0
NW	1.5	1.9	.5	.1								4.1	4.5
NNW	1.0	1.8	.5	.1								3.4	4.9
VARBL													
CALM												16.9	
	15.5	27.8	30.4	8.8	.4	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	4.0	3.7	.5								10.2	6.0
NNE	1.1	2.2	2.0	1.3	.2							6.8	7.7
NE	1.2	2.6	2.4	.5	.2							6.9	6.8
ENE	1.5	2.8	3.2	.2								7.7	6.0
E	1.1	2.3	1.0	.5								4.8	5.7
ESE	.5	1.1	.6	.2	.1							2.6	6.6
SE	.6	.3	.4									1.4	4.6
SSE	.3	1.0	.6	.2								2.2	6.2
S	1.5	1.6	1.6	.5								5.3	6.0
SSW	.5	1.5	3.4	1.6								7.1	8.2
SW	.8	1.7	4.6	3.1	.1							10.3	9.1
WSW	.6	2.6	5.3	1.4								9.9	7.9
W	1.2	3.2	3.2	1.0								8.6	6.7
WNW	.8	1.2	1.4	.1	.1	.1						3.7	6.9
NW	.9	1.4	.9	.2								3.3	5.6
NNW	1.2	1.6	1.1	.3								4.2	5.6
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	5.1	
	15.8	31.0	35.5	11.8	.8	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.5	1.9	.4								4.9	6.4
NNE	1.2	1.4	3.3	1.4								7.3	7.5
NE	.9	3.1	2.8	1.0								7.7	6.8
ENE	.8	4.8	3.7	.9								10.1	6.7
E	1.1	4.9	3.8	.3								10.1	6.1
ESE	1.1	2.4	3.3	.8								7.5	6.9
SE	.2	1.8	1.4									3.4	6.0
SSE	.3	.3	.6	.1								1.6	5.8
S	1.0	2.0	2.5	1.4	.1							7.0	7.5
SSW	.2	2.0	3.4	1.5	.1							7.3	8.6
SW	.2	1.8	3.5	1.9	.1							7.6	8.7
WSW	.6	2.2	3.5	2.2	.2							8.7	8.7
W	1.2	2.5	2.5	1.7								7.8	7.4
WNW	.2	1.1	1.4	.3								3.0	6.8
NW	.5	.9	.6	.1								2.2	5.7
NNW	1.0	.8	.2	.1								2.0	4.4
VARBL													
CALM												1.5	
	11.7	33.5	38.6	14.1	.5							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6	.6	.1								2.0	5.4
NNE	.3	1.3	1.8	.1								3.5	6.8
NE	.8	1.9	3.4	1.4								7.5	7.6
ENE	.6	2.6	3.8	.9								7.8	7.2
E	1.6	5.4	4.4	.5								11.9	6.2
ESE	.8	5.3	6.3	1.1								13.4	7.2
SE	.8	3.9	3.1	.3								8.1	6.4
SSE	.4	.8	1.0	.3								2.5	7.2
S	.5	2.5	3.8	1.9	.1							8.8	8.3
SSW	.1	.9	3.2	1.6								5.8	9.0
SW	.3	.6	3.7	3.2								7.8	9.9
WSW	.4	1.7	1.8	1.5	.2							5.7	8.7
W	.8	2.4	2.9	.5								6.6	7.0
WNW	.4	1.4	1.9	.1								3.9	6.6
NW	.2	.6	.6	.1								1.6	6.5
NNW	.3	.5		.1								1.0	4.8
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	1.9	
	9.0	32.4	42.5	13.9	.3							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.6	.6	.2								1.9	6.6
NNE	.5	.8	1.0	.1								2.4	6.1
NE	.4	1.8	1.4	.1								3.8	6.0
ENE	.6	1.8	1.3	.3								4.1	6.0
E	2.0	5.4	2.7	.3								10.4	5.4
ESE	2.7	4.8	2.3	.2								10.0	5.0
SE	2.4	4.6	2.9	.2								10.1	5.4
SSE	1.8	4.1	1.8									7.7	5.2
S	.9	4.9	4.9	.5								11.3	6.7
SSW	.5	2.6	5.1	1.7								9.9	7.9
SW	.5	2.4	3.5	1.2								7.6	7.8
WSW	1.1	1.8	1.3	.3								4.5	5.8
W	.9	1.7	.4		.1							3.1	4.9
WNW	1.2	.9	1.0	.1								3.1	5.2
NW	.1	.2										.3	4.3
NNW	.3	.4	.1	.1	.1							1.1	6.6
VARBL													
CALM												8.6	
	16.5	38.9	30.3	5.5	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.8	.5	.5	.1							2.7	7.0
NNE	.3	.6	.3	.2	.1							1.6	7.2
NE	.4	.2	.4	.1								1.2	6.0
ENE	.4	.4	.8	.2								1.8	6.8
E	2.4	2.3	1.0	.1								5.7	4.4
ESE	1.5	1.2	.5									3.2	4.2
SE	1.4	1.7	.1									3.2	3.9
SSE	3.1	2.0	1.1	.2								6.5	4.1
S	3.0	5.3	5.1	1.8								15.2	6.6
SSW	1.6	3.4	5.1	2.7								12.8	7.6
SW	1.6	2.9	3.3	1.0								8.8	6.7
WSW	1.0	1.5	1.9	.5								4.9	6.3
W	1.0	1.3	.6	.3								3.2	5.5
WNW	.9	.9	.8	.1								2.6	5.3
NW	1.0	.5	.1									1.6	3.3
NNW	.4	.3	.4	.1								1.3	5.7
VARBL													
CALM												23.7	
	20.8	25.4	22.0	8.0	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) | LANGLEY AFB,VA (STATION NAME) | 67-70,73-78 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	1.5	.4	.0							4.4	6.2
NNE	.7	.9	1.4	.5	.1							3.5	7.2
NE	.6	1.7	1.7	.5	.0							4.5	6.8
ENE	.6	1.7	1.8	.4								4.4	6.6
E	1.3	3.1	1.7	.2	.0							6.3	5.6
ESE	1.0	2.1	1.7	.3	.0							5.2	6.0
SE	.8	1.7	1.0	.1								3.6	5.4
SSE	1.0	1.2	.7	.1								2.9	5.0
S	1.5	2.9	2.9	1.0	.0							8.3	6.7
SSW	1.1	2.6	4.2	1.8	.0							9.7	7.6
SW	1.1	2.8	4.4	2.2	.0							10.5	7.9
WSW	1.2	2.4	3.1	1.0	.1	.0						7.8	7.1
W	1.7	2.4	1.9	.5	.0							6.5	5.9
WNW	1.0	1.4	1.0	.1	.0	.0						3.5	5.4
NW	.9	1.0	.5	.1								2.5	4.9
NNW	.6	.8	.4	.1	.0							1.9	5.2
VARBL													
CALM												14.4	
	16.0	30.1	29.9	9.2	.3	.0						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.5	.1	.3	.2							1.4	8.5
NNE	.1	.4	.1	.5								1.2	9.0
NE	.1	.9	1.5	.9								3.3	8.3
ENE	.4	.6	1.1	.2	.1							2.5	7.4
E	1.1	1.6	.3									3.0	4.1
ESE	.4	.1	.1									.6	3.8
SE	.3	.1	.3	.1								.9	6.5
SSE	.4	.3										.8	3.1
S	2.4	1.2	1.6	.4								5.6	5.5
SSW	2.2	5.8	4.2	2.9								15.1	7.0
SW	1.0	5.2	5.9	2.9	.1							15.7	7.6
WSW	1.4	3.3	3.4	1.2								9.4	6.9
W	1.4	1.5	1.2	.3								4.4	5.1
WNW	1.2	1.0	.3									2.5	3.9
NW	.8	1.6	.1									2.5	4.3
NNW		1.0		.1								1.1	5.8
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	30.2	
	14.0	25.2	20.3	9.9	.4							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.1	1.4	1.1	.1							4.6	7.5
NNE		1.1	.6	.6	.1							2.5	8.0
NE		1.0	1.1	.5								2.6	8.5
ENE	.1	.6	1.1	.3								2.2	7.7
E	.8	.8	.2	.1								1.8	4.5
ESE	.3	.1										.4	2.0
SE	.1	.1		.1								.3	7.3
SSE	.3	.2	.1									.6	3.7
S	1.3	1.1	1.4	.2								4.0	5.8
SSW	2.4	3.4	2.8	1.1								9.7	6.3
SW	2.2	5.4	6.0	2.2	.2							15.9	7.3
WSW	2.0	5.2	3.2	.5	.1							11.1	5.9
W	1.8	2.4	1.8	.3								6.3	5.5
WNW	.9	1.1	.4									2.4	4.6
NW	.9	1.9	.5									3.3	4.6
NNW	.1	.5	.5	.3								1.5	8.4
VARBL													
CALM												30.8	
	14.1	25.9	21.3	7.4	.5							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0000-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	2.9	2.4	1.2								8.1	6.6
NNE		.9	1.4	1.2								3.4	9.0
NE		1.2	1.8	1.1								4.1	9.0
ENE	.1	.3	.9	.8								2.0	9.4
E	.2	1.1	.5	.2								2.0	5.9
ESE	.2	.4										.6	3.8
SE	.4	.2	.2									.9	3.9
SSE	.1	.4	.1									.6	5.3
S	1.2	1.8	1.0	.2								4.2	5.4
SSW	.9	2.2	3.5	.9								7.4	7.4
SW	1.2	3.5	5.3	2.7	.1							12.8	7.8
WSW	1.5	4.8	4.7	2.0								13.1	7.1
W	2.3	3.5	2.8	.5	.1							9.2	5.9
WNW	1.7	1.9	.9									4.5	4.5
NW	.6	.8	.1	.1								1.6	4.7
NNW	.6	1.4	1.3	.2								3.5	6.1
VARBL													
CALM												21.7	
	12.7	27.4	26.9	11.1	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 61-70, 73-78 (YEARS) AUG (MONTH)

0900-1100 (HOURS (L.S.T.))

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.9	3.1	2.9	.4							10.1	8.1
NNE	.9	1.7	4.0	2.0	.1							8.7	8.6
NE	1.2	2.2	3.0	2.1	.1							8.6	7.9
ENE	.8	2.6	2.6	1.9	.1							7.0	7.5
E	.6	1.5	1.2	.5								3.7	6.1
ESE	.8	1.2	.2									2.2	4.5
SE	.8	1.0	.1									1.8	4.1
SSE	.8	.5	.3									1.6	4.5
S	.8	1.2	1.3	.1								3.3	5.5
SSW	.5	2.0	3.3	2.2								8.1	8.4
SW	.2	2.4	3.9	3.0	.1							9.6	8.8
WSW	1.3	3.0	4.4	2.6	.3							11.6	8.4
W	1.1	3.1	4.7	.8	.1							9.8	7.2
WNW	.4	.9	.9	.4								2.6	7.0
NW	.5	.6	.8									1.9	5.4
NNW	.6	.9	1.1	.2								2.8	6.3
VARBL													
CALM												6.7	
	12.4	27.6	35.4	16.7	1.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.9	2.9	1.1	.1	.4	.1					7.5	8.5
NNE	1.1	1.9	3.5	1.3	.2							8.1	7.9
NE	.1	3.3	2.8	1.4	.1							7.7	7.8
ENE	.6	3.9	3.1	1.4	.2							9.2	7.4
E	1.2	5.1	4.2	1.2								11.6	6.7
ESE	.6	2.8	2.4	.2								6.0	6.2
SE	.8	1.2	1.5	.1								3.5	6.0
SSE	.3	.5	1.0									1.8	6.6
S	.6	1.3	2.3	.6								4.8	7.6
SSW	.6	1.0	3.2	2.8	.1							7.7	9.6
SW	.2	1.5	3.9	2.4	.4							8.4	9.8
WSW	.6	1.1	3.5	2.4	.2							8.0	9.0
W	.4	2.6	3.5	1.6								8.2	8.1
WNW	.4	1.2	1.5	.1								3.2	6.3
NW	.1	.2	.6									1.0	6.7
NNW	.2	.6	.1	.2								1.2	6.4
VARBL													
CALM												1.9	
	9.1	30.1	40.1	16.8	1.4	.4	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.5	2.2	.5	.2							4.8	7.8
NNE	.4	.8	1.4	1.0	.1							3.7	8.3
NE	.6	2.4	4.1	.9	.2							8.2	7.7
ENE	1.3	2.7	2.6	2.0	.1							8.7	7.7
E	1.1	5.1	5.2	1.2								12.5	7.0
ESE	1.1	5.5	5.7	1.1								13.3	6.8
SE	.6	2.9	2.8	.6								7.0	6.9
SSE	.1	1.2	1.2									2.5	6.6
S	.6	1.0	3.0	.9	.1							5.6	8.3
SSW	.4	.8	2.6	3.3	.3							7.4	10.2
SW	.2	1.0	3.2	2.9	.1							7.4	10.2
WSW	.3	1.4	2.7	1.5								5.9	8.7
W	.6	1.6	2.7	.5								5.5	7.3
WNW	.4	.5	.6	.2	.1	.1						2.0	8.4
NW	.1	.9	.2	.2	.1							1.5	7.5
NNW	.4	1.0	.5									1.9	4.9
VARBL													
CALM												2.0	
	8.9	30.0	40.6	16.9	1.4	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.5	1.1	.2	.1							3.7	6.3
NNE	.6	.6	1.1	.2								2.6	6.8
NE	.0	.8	1.0	.5	.3							3.2	8.2
ENE	.8	1.4	1.3	.6	.2							4.3	7.5
E	1.9	4.9	2.5	.3	.2							9.9	5.8
ESE	3.7	5.5	1.6	.1								10.9	4.6
SE	3.0	4.0	1.5									8.5	4.6
SSE	1.7	2.8	1.4									5.9	4.8
S	1.3	3.4	4.2	1.3								10.2	6.9
SSW	.8	1.9	4.3	1.9	.2							9.1	8.6
SW	.4	1.3	3.1	.9								5.7	7.9
WSW	1.0	2.2	1.9	.6								5.7	6.3
W	.9	1.6	1.0	.3								3.8	6.1
WNW	.8	.4	.3									1.5	4.9
NW	.5	.8	.2									1.5	4.4
NNW	.4	.4	.8									1.6	5.6
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	11.9	
	19.1	33.5	27.2	7.1	1.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.5	.9	.4								2.6	7.0
NNE	.3	.8	.8	.3								2.2	7.2
NE	.2	.3	1.3	1.4								3.2	9.7
ENE	.1	.5	1.2	.3								2.2	8.2
E	1.7	2.7	.8	.1	.1							5.4	4.9
ESE	1.2	.6		.2								2.0	4.3
SE	1.9	.5	.2									2.6	3.4
SSE	1.1	2.0	.4									3.5	4.2
S	3.1	6.2	3.1	1.4								13.9	5.9
SSW	2.6	3.8	6.7	3.2								16.2	7.5
SW	1.0	2.3	2.7	2.7	.1							8.7	8.5
WSW	1.1	1.5	2.0	.3								4.9	6.4
W	1.2	1.5	.3									3.0	4.1
WNW	1.1	.5	.3	.1								2.0	4.5
NW	.3	.1	.3	.1								.9	5.5
NNW	.2	.2	.2									.6	5.3
VARBL													
CALM												26.0	
	17.7	24.2	21.2	10.6	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.6	1.8	.8	.1	.1	.0					5.3	7.6
NNE	.4	1.0	1.6	.9	.1							4.0	8.2
NE	.4	1.5	2.1	1.1	.1							5.1	8.2
ENE	.5	1.6	1.7	.8	.1							4.8	7.7
E	1.1	2.8	1.9	.4	.0							6.2	6.1
ESE	1.0	2.0	1.2	.2								4.5	5.6
SE	1.0	1.2	.8	.1								3.2	5.4
SSE	.6	1.0	.6									2.2	5.0
S	1.4	2.2	2.2	.6	.0							6.5	6.4
SSW	1.3	2.6	3.8	2.3	.1							10.1	7.9
SW	.9	2.8	4.2	2.4	.1							10.5	8.3
WSW	1.2	2.8	3.3	1.4	.1							8.7	7.3
W	1.2	2.2	2.3	.6	.0							6.3	6.5
WNW	.9	.9	.7	.1	.0	.0						2.6	5.4
NW	.5	.9	.4	.1	.0							1.8	5.2
NNW	.3	.8	.6	.1								1.8	6.1
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	16.4	
	13.5	28.0	29.1	12.1	.8	.1	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.9	2.3	.3	.1						5.6	9.8
NNE	.2	.6	1.3	1.9	.3							4.3	10.5
NE	.3	.8	1.2	1.3	.1	.2						4.0	10.2
ENE	.1	1.2	1.4	.4	.2							3.4	8.4
E	.7	2.2	.9	.2								4.0	5.7
ESE	.4	1.2	.3	.3								2.3	6.2
SE	.1	.6	.8	.4								1.9	8.1
SSE	.6	.8	.1									1.4	4.0
S	1.0	2.0	1.4	.7								5.1	6.6
SSW	2.1	3.1	4.9	1.0								11.1	6.8
SW	2.2	3.4	3.7	1.3								10.7	6.6
WSW	1.2	2.3	.8	.4								4.8	5.5
W	1.4	.8	.1	.1								2.4	3.4
WNW	.7	.9	.6	.1								2.2	5.1
NW	1.2	1.7	.8	.4								4.1	5.7
NNW	.2	1.2	.7	.6	.2							2.9	8.0
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	29.7	
	13.3	23.9	19.9	11.7	1.2	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.6	2.7	2.0	.7							7.8	9.1
NNE	.3	.7	2.0	1.7	.3							5.0	10.2
NE	.2	1.2	1.2	1.6	.1							4.3	9.1
ENE		.8	1.0	1.4								3.2	9.6
E	.4	1.3	1.4	.3								3.6	6.6
ESE	.2	1.0	.6	.6								2.3	6.8
SE	.1	.2	.0	.4								1.3	8.8
SSE	.3	.8	.2									1.3	4.6
S	.7	1.3	.6	.6								3.1	6.5
SSW	.9	2.1	2.3	.6								5.9	6.8
SW	2.0	4.6	3.4	1.1								11.3	6.4
WSW	1.7	3.2	1.1	.1								6.1	4.9
W	1.2	1.7	1.1									4.0	4.8
WNW	.7	1.3	.3	.1								2.4	4.8
NW	1.7	2.4	.3	.1								4.6	4.5
NNW	.7	1.2	1.0	1.1	.1							4.1	7.8
VARBL													
CALM												29.6	
	12.0	25.7	19.9	11.7	1.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	3.3	3.2	.2							10.1	8.9
NNE	.3	.8	2.0	1.9								5.0	9.5
NE	.1	1.0	3.3	3.3	.2							8.0	10.4
ENE	.1	1.0	1.1	1.4	.2							3.9	9.4
E	.2	.3	2.1	.6	.1							3.6	9.3
ESE	.4	.4	.4	.1	.1							1.6	7.3
SE	.3	.7	.3	.4								1.8	7.7
SSE	.1	.7	.4									1.7	6.1
S	.4	1.1	1.2	.7								3.4	7.3
SSW	.6	2.7	2.4	.9	.1							6.7	7.6
SW	2.1	4.8	3.4	.6								10.9	6.0
WSW	1.2	3.4	2.2	.4								7.3	5.9
W	1.3	3.2	.8									5.3	4.5
WNW	1.3	1.4		.1								2.9	4.0
NW	1.2	2.3	.7	.1		.1						4.4	5.2
NNW	1.1	2.0	1.6	1.2								5.9	7.1
VARBL													
CALM												18.0	
	11.7	28.6	25.4	15.2	1.0	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.6	6.8	4.3	.3							15.0	9.2
NNE	.3	1.2	2.8	3.3	.4							8.1	10.4
NE	.4	2.2	4.2	3.6	.1							10.6	9.4
ENE	.1	1.7	5.2	1.4	.6							9.0	9.3
E	.4	1.3	1.9	2.1		.1						5.9	9.2
ESE	.2	.8	.8	.4								2.2	7.1
SE	.4	.7	.7	.7								2.4	7.7
SSE	.4	.2	.4	.3								1.4	6.4
S	.3	2.4	2.7	1.3								6.8	7.7
SSW	.4	1.4	3.1	1.8	.1							6.9	8.8
SW	.3	1.2	4.1	1.8	.4	.1						8.0	9.6
WSW	.6	2.0	3.9	1.0	.2							7.7	8.0
W	1.2	1.8	2.3	.4								5.8	6.6
WNW	.8	.7	1.0	.1	.1							2.7	6.0
NW	.1	.6	.6	.1	.1							1.4	7.9
NNW	.2	.9	1.1	1.1								3.3	9.0
VARBL													
CALM												2.8	
	7.4	21.7	41.6	23.9	2.4	.2						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.3	4.4	2.9	.1							9.1	9.2
NNE	.6	1.9	4.0	3.2	.1							9.8	9.3
NE	.7	2.6	4.4	1.7	.4							9.8	8.6
ENE	.4	3.7	5.6	1.3	.6							11.6	8.2
E	.8	3.4	5.2	1.6	.1	.1						11.2	8.0
ESE	.3	2.2	2.3	.4								5.3	7.0
SE	.1	1.2	1.6	.2								3.1	7.4
SSE	.2	.7	.4	.3								1.7	6.7
S	.4	1.2	1.3	2.0	.2							5.2	9.1
SSW	.3	1.2	2.9	2.6	.3							7.3	9.7
SW	.3	1.3	2.3	1.6	.6							6.1	9.7
WSW	.4	.7	2.0	1.9	.3							5.3	10.2
W	.3	2.4	2.2	1.0	.1							6.1	7.5
WNW	.6	1.1	1.0									2.7	5.7
NW	.1	.1	.6	.6		.1						1.4	10.3
NNW		.6	1.2	.7		.1						2.6	9.7
VARBL													
CALM												1.7	
	6.0	25.7	41.6	21.9	2.9	.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.9	2.7	1.1			.2	.1				5.3	10.0
NNE	.3	1.3	3.7	2.7								8.0	9.3
NE	.7	2.8	4.3	2.2	.1							10.1	8.2
ENE	.4	1.8	4.2	1.6	.7							8.7	9.3
E	.9	4.3	8.6	1.8								15.6	7.8
ESE	.3	4.3	6.8	2.0								13.4	7.8
SE	.2	1.3	3.0	.2								4.8	7.3
SSE		.7	1.0	.3								2.0	8.1
S	.1	1.1	2.8	1.8	.4							6.2	9.7
SSW		.7	2.0	2.6	.2							5.4	10.8
SW		.9	1.7	1.9	.1							4.6	10.3
WSW	.1	.8	1.7	.8								3.3	8.5
W	.1	1.4	2.1	.8								4.4	7.9
WNW		1.9	.4	.1								2.4	5.7
NW	.2	.7	.7									1.6	5.9
NNW	.6	.9	.8	.1								2.3	6.0
VARBL													
CALM												1.8	
	4.3	25.8	46.3	19.9	1.6		.2	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.0	1.9	1.0	.2							5.7	8.0
NNE	1.3	1.0	1.3	.9	.1		.2	.1				5.0	8.9
NE	.7	1.4	1.4	1.9	.4							5.9	9.2
ENE	.3	.6	2.3	1.2	.6	.1						5.1	10.1
E	1.4	4.9	5.2									11.6	6.3
ESE	1.2	5.3	1.7	.7								8.4	5.7
SE	1.2	4.3	1.9									7.4	5.4
SSE	1.3	4.0	1.0	.2								6.6	5.1
S	.7	4.2	3.8	1.6								10.2	7.5
SSW	.6	1.4	1.9	.7								4.6	7.0
SW	.4	1.6	1.6	.1		.1						3.8	6.8
WSW	.3	1.4		.2								2.0	5.2
W	1.9	1.3	.2									3.4	3.6
WNW	.6	.4										1.0	3.0
NW	.5	.6	.2	.1								1.4	5.3
NNW	.3	1.2										1.6	4.1
VARBL													
CALM												16.3	
	13.4	35.8	24.0	8.6	1.3	.2	.2	.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.2	1.3	.9								4.2	7.1
NNE	.2	.8	1.1	1.6	.2	.1						4.0	10.2
NE	.6	.9	1.2	1.8			.3					4.8	10.7
ENE		1.0	1.4	1.2	.1							3.8	9.6
E	.7	2.9	2.3	.2								6.1	6.0
ESE	.9	2.0	.8									3.7	5.0
SE	1.2	1.1	.7	.6								3.6	5.7
SSE	.9	1.4	.6									2.9	4.9
S	2.1	5.3	3.2	1.8								12.4	6.6
SSW	.8	4.2	4.1	1.2								10.3	7.0
SW	1.9	1.4	1.2	.8	.1							5.4	6.2
WSW	1.2	1.7	.2									3.1	3.9
W	2.3	.8	.6	.1								3.8	4.1
WNW	1.1	1.0	.2	.2								2.6	4.7
NW	.7	1.2	.4									2.3	4.8
NNW	.3	.9	.4	.8								2.4	7.8
VARBL													
CALM												24.6	
	15.7	27.9	19.9	11.1	.4	.1	.3					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.7	3.0	2.2	.2	.0	.0	.0				7.8	9.0
NNE	.5	1.0	2.3	2.1	.2	.0	.0	.0				6.2	9.7
NE	.5	1.6	2.7	2.2	.2	.0	.0					7.2	9.3
ENE	.2	1.5	2.8	1.3	.4	.0						6.1	9.1
E	.7	2.6	3.5	.9	.0	.0						7.7	7.4
ESE	.5	2.2	1.7	.6	.0							4.9	6.8
SE	.5	1.3	1.2	.4								3.3	6.7
SSE	.3	1.2	.5	.2								2.3	5.6
S	.7	2.3	2.1	1.3	.1							6.6	7.6
SSW	.7	2.1	3.0	1.4	.1							7.3	7.9
SW	1.2	2.4	2.7	1.1	.2	.0						7.6	7.4
WSW	.8	1.9	1.5	.6	.1							5.0	6.7
W	1.2	1.7	1.2	.3	.0							4.4	5.6
WNW	.7	1.1	.4	.1	.0							2.4	5.0
NW	.7	1.2	.5	.2	.0	.0						2.7	5.7
NNW	.4	1.1	.8	.7	.0	.0						3.1	7.6
VARBL													
CALM												15.5	
	10.5	26.9	29.8	15.5	1.5	.2	.1	.0				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 7200

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.8	2.8	2.3	.2							8.3	8.5
NNE	.3	1.4	1.9	2.5	.6	.2						7.0	10.5
NE	.2	.6	1.3	1.6	.5	.1						4.4	11.1
ENE	.3	1.0	1.0	.5								2.8	7.3
E	.9	2.2	1.4	.2								4.6	5.6
ESE	.4	.2	.3									1.0	4.7
SE	.4	.3	.1									.9	3.9
SSE	.5	.5	.3									1.4	4.7
S	1.3	1.6	1.6	.6								5.2	6.4
SSW	1.0	3.3	2.4	.9								7.5	6.5
SW	.8	3.5	1.7	.6								6.8	6.2
WSW	1.2	1.5	1.4	.5	.3							4.9	7.2
W	1.9	1.8	.8	.4	.1							5.1	5.6
WNW	1.3	1.4	.4									3.1	4.1
NW	.5	2.4	.5	.1								3.5	5.1
NNW	.9	1.7	1.9	1.1								5.6	7.2
VARBL													
CALM												28.0	
	13.1	25.4	19.9	11.5	1.8	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) | LANGLEY AFB, VA (STATION NAME) | 67-70, 73-78 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	4.1	2.3	.4							10.8	8.4
NNE	.2	1.1	1.7	2.7	.4	.2						6.3	11.1
NE	.1	1.4	2.3	1.6	1.2	.2						6.8	11.0
ENE	.2	.3	1.4									1.9	7.6
E	.5	1.4	1.0	.2								3.1	6.2
ESE	.1	.2	.4									.8	5.7
SE		.8	.1									.9	5.6
SSE	.1	.1										.2	3.0
S	.6	.6	1.5	.8								3.5	7.6
SSW	.8	2.4	1.6	.5	.1							5.4	6.6
SW	1.6	3.2	1.2	.4								6.5	5.6
WSW	1.7	2.7	.8	.8	.2							6.1	5.8
W	1.0	1.8	.9	.4	.1	.1						4.3	6.7
WNW	.8	2.3	.5									3.5	4.7
NW	1.4	2.4	.5	.1								4.4	4.7
NNW	1.2	1.3	1.5	1.5								5.5	7.5
VARBL													
CALM												30.0	
	11.7	24.3	19.5	11.5	2.5	.5						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	2.4	3.5	3.9	1.2	.2						12.9	9.6
NNE	.6	1.3	2.0	1.5	.9	.2						6.6	10.3
NE	.1	.6	2.6	2.7	.6							6.7	10.9
ENE	.2	.8	1.6	.8	.1							3.4	8.3
E	.5	1.2	1.3	.5								3.5	7.3
ESE		1.1	.3	.1								1.5	6.4
SE	.4	.9	.3									1.6	5.1
SSE	.1	.5	.1		.1							.9	7.0
S	.2	1.0	.9	.9								2.9	8.6
SSW	.9	2.0	2.0	.4								5.4	6.5
SW	1.0	2.3	2.3	.4	.1							6.0	6.6
WSW	1.3	2.9	1.7	.4	.1							6.5	6.1
W	1.3	1.8	1.5	.4	.2							5.3	6.6
WNW	1.4	1.7	.1									3.2	4.0
NW	.9	2.5	1.4	.2								4.9	5.8
NNW	1.3	2.2	1.9	.8	.2							6.3	6.9
VARBL													
CALM												22.4	
	11.9	25.1	23.7	13.0	3.5	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

0900-1100 (HOURS (L.S.T.))

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.0	6.2	6.1	1.0	.1						16.1	10.5
NNE	.8	1.3	3.3	3.7	1.1							10.1	10.2
NE	.1	1.9	3.7	3.3	.4							9.5	9.9
ENE	.2	.5	3.0	1.9	.1							5.8	9.7
E	.5	1.4	3.3	1.4								6.7	8.0
ESE	.2	.6	1.1	.4								2.4	7.6
SE	.4	.6	1.4	.6								3.1	7.5
SSE		.3	.4	.1								.9	7.9
S	.5	.9	2.4	.3								4.1	7.1
SSW	.3	1.1	1.9	1.8	.1							5.3	8.9
SW	.5	1.3	2.6	1.5	.5							6.5	9.2
WSW	.3	1.7	2.6	1.6	.4							6.7	8.9
W	1.4	1.8	2.8	.8	.4	.2						7.4	8.0
WNW	.2	.3	1.0	.6								2.2	8.6
NW	.2	1.1	1.1	.9	.1							3.3	8.6
NNW	.5	1.4	1.8	1.9	.5	.1						6.3	9.9
VARBL													
CALM												3.8	
	7.0	18.4	38.6	27.1	4.7	.4						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.2	3.9	4.1	1.4							11.3	10.5
NNE	.2	1.9	4.0	2.9	.6							9.7	9.6
NE	.4	2.9	5.6	2.4	.2							11.5	8.5
ENE	.1	1.7	4.2	1.3	.2	.1						7.6	8.8
E	.5	2.7	3.9	2.2								9.2	8.3
ESE	.9	1.6	1.8	1.4								5.7	7.4
SE	.2	1.0	1.4	.8								3.3	7.8
SSE	.1	.4	.4	.1								1.1	6.9
S	.2	1.6	1.5	.8	.2							4.3	8.5
SSW	.5	1.1	3.3	1.9	.2							7.1	9.2
SW	.2	1.1	2.4	1.8	.4							5.9	9.8
WSW	.1	.9	2.6	1.7	.1	.2						5.6	10.4
W	.3	1.0	2.3	1.4	.3							5.3	9.3
WNW	.4	.9	2.3	1.2	.1							4.8	9.0
NW	.2	.1	1.9	1.2								3.4	9.6
NNW	.1	.3	1.1	1.3	.3							3.1	10.7
VARBL													
CALM												1.0	
	5.4	20.3	42.5	26.3	4.2	.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.2	2.5	2.4	.6	.3						7.5	10.4
NNE	.6	2.3	3.4	2.3	.3							8.9	8.8
NE	.9	2.8	4.4	1.7	.3							10.1	8.3
ENE	.8	3.2	3.2	1.2	.1							8.5	7.3
E	.9	3.3	6.3	1.3								11.8	7.5
ESE	.8	4.0	3.5	.5								8.8	6.6
SE	.2	2.7	1.7	.4								5.1	6.8
SSE		.8	.5	.2	.1							1.6	8.7
S	.1	1.8	1.8	.4	.2							4.4	7.8
SSW		1.0	2.6	1.1								4.6	8.9
SW	.3	1.4	2.0	1.9	.2	.3						6.2	9.9
WSW	.9	1.4	1.6	.8	.1	.1						4.8	7.6
W	.4	1.1	1.1	.5	.1	.2						3.4	8.4
WNW	.3	.9	1.9	.8								3.9	7.9
NW	.3	1.0	1.7	1.5								4.5	8.8
NNW	.1	.9	1.4	.8	.2	.1						3.4	9.7
VARBL													
CALM												2.3	
	7.1	29.6	39.9	17.7	2.4	1.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.8	3.0	2.9	.4							10.2	8.9
NNE	1.9	2.5	1.0	1.5	.4							7.3	7.1
NE	.6	1.5	1.8	1.8	.3							6.1	9.1
ENE	.2	1.1	1.7	.9								3.9	8.5
E	1.6	2.8	3.0	.8								8.2	6.4
ESE	1.5	1.6	1.0	.3								4.4	5.3
SE	2.2	1.9	.6	.1								4.8	4.3
SSE	.5	2.6	.6									3.8	5.2
S	1.3	2.2	2.4	.3								6.1	6.1
SSW	.6	2.5	2.3	.4								5.8	6.6
SW	.9	1.6	.9	.1		.1						3.5	5.8
WSW	1.0	.8	.4	.3	.1		.1					2.7	6.9
W	.6	1.1	.2	.4	.5							2.9	8.0
WNW	.0	1.0	.8	.1	.1							3.2	5.9
NW	1.0	1.2	.5									2.7	4.6
NNW	.5	.8	1.0	.3	.1							2.7	7.0
VARBL													
CALM												21.6	
	16.2	28.4	21.2	10.3	2.0	.1	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13740 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.7	2.8	3.0	.5	.1						9.0	9.8
NNE	.4	1.4	1.7	1.7	.9	.1						6.2	10.2
NE	.2	1.7	1.7	1.7	.4	.1						5.9	9.9
ENE	.3	.8	1.0	1.1								3.1	8.6
E	.6	2.0	2.6	.4								5.7	6.7
ESE	.3	.9	.6	.1								1.9	5.8
SE	.4	1.1	.4	.1								2.0	5.6
SSE	1.4	1.4	.2	.2								3.2	4.6
S	1.9	1.8	2.0	1.4	.1							7.3	6.8
SSW	1.0	2.0	2.2	1.9								7.1	7.6
SW	.9	2.0	1.4	.2								4.5	6.0
WSW	.6	1.3	.2	1.0	.2							3.3	8.0
W	1.6	1.5	.4	.4	.1							4.1	5.3
WNW	1.3	1.8	.5	.1								3.8	4.7
NW	.3	1.4	.6									2.4	5.1
NNW	.3	.8	1.9	.9								3.9	8.1
VARBL													
CALM												26.5	
	12.6	23.7	20.4	14.3	2.3	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.9	3.6	3.4	.7	.1						10.8	9.6
NNE	.6	1.6	2.4	2.3	.7	.1						7.8	9.7
NE	.3	1.7	2.9	2.1	.5	.1						7.6	9.6
ENE	.3	1.2	2.1	1.0	.1	.0						4.6	8.3
E	.8	2.1	2.8	.9								6.6	7.2
ESE	.5	1.3	1.1	.4								3.3	6.5
SE	.5	1.2	.8	.3								2.7	6.1
SSE	.3	.8	.3	.1	.0							1.6	5.8
S	.8	1.4	1.8	.7	.1							4.7	7.2
SSW	.6	1.9	2.3	1.1	.1							6.0	7.6
SW	.8	2.1	1.8	.9	.2	.1						5.7	7.5
WSW	.9	1.6	1.4	.9	.2	.0	.0					5.1	7.6
W	1.1	1.5	1.2	.6	.2	.1						4.7	7.3
WNW	.8	1.4	.9	.3	.0							3.5	6.2
NW	.6	1.5	1.0	.5	.0							3.7	6.6
NNW	.6	1.2	1.6	1.1	.2	.0						4.6	8.3
VARBL													
CALM												16.9	
	10.6	24.4	28.2	16.5	2.9	.4	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7440

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	2.7	2.2	.3							7.2	9.0
NNE	.3	1.3	1.2	.7	.2	.2						4.0	9.0
NE	.4	2.2	1.4	.4		.2						4.8	7.4
ENE		1.1	1.0	.1				.1				2.3	8.3
E	.6	1.1	1.1	.1								2.9	6.3
ESE	.4	.4		.2								1.1	5.3
SE	.1		.2									.3	6.0
SSE	.2	.4	.1	.1								.9	5.9
S	.9	2.2	1.6	.3	.2							5.2	6.4
SSW	1.3	5.6	2.9	1.9	.2							11.9	7.0
SW	1.1	4.2	3.4	2.0								10.8	7.4
WSW	1.8	1.6	1.4	.7	.2		.1					5.8	7.0
W	.8	2.0	3.1	1.6	.1							7.6	8.0
WNW	1.1	3.3	1.6	.1	.2							6.3	5.8
NW	1.3	1.8	1.7	.8								5.6	6.4
NNW	.6	1.4	1.4	2.2	.2	.1						6.0	9.8
VARBL													
CALM												17.3	
	11.4	30.3	24.9	13.4	1.8	.6	.1	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.1	4.2	2.0	.2	.1						9.3	8.5
NNE	.7	1.6	.9	.6	.1	.3						4.3	8.1
NE	.6	1.1	1.7	.8	.1			.1				4.3	8.7
ENE	.2	.3	.7	.3								1.6	7.6
E	.4	.4	1.1	.3								2.3	7.0
ESE	.1	.7	.2									1.0	5.6
SE	.3	.7	.3									1.3	4.8
SSE	.3	.3										.7	3.0
S	.8	1.2	1.1	.2								3.3	6.1
SSW	.8	3.6	2.6	1.0	.1	.2						8.2	7.6
SW	.7	3.9	3.6	1.4								9.6	7.2
WSW	1.3	3.3	2.2	.9	.4							8.2	7.2
W	1.0	2.0	2.8	1.9	.2							7.9	8.3
WNW	1.0	3.4	1.9	.3								6.7	5.9
NW	.7	2.6	2.2	.2	.1							5.8	6.5
NNW	.4	2.2	1.7	1.4	.3							6.1	8.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	19.3	
	10.0	29.4	27.1	11.7	1.7	.7		.1				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.7	3.0	1.9	.2	.1						8.9	8.2
NNE	1.0	1.1	1.6	.6		.1						4.3	7.2
NE	.3	1.1	1.8	1.2	.1							4.6	8.3
ENE	.4	1.0	1.0	.3								2.8	6.8
E	.4	.7	1.6									2.7	6.2
ESE	.1	.6	.6		.1							1.3	7.6
SE		.4	.1	.2								.8	6.9
SSE	.1	.9	.1									1.1	5.1
S	.1	.7	1.1	.7								2.6	8.3
SSW	1.0	3.1	3.7	1.4	.1	.1						9.4	7.7
SW	2.0	3.9	3.8	1.1								10.8	6.6
WSW	1.7	2.9	1.9	.6								7.0	5.7
W	.6	1.7	3.7	1.6	.9							8.3	9.3
WNW	1.6	2.7	1.6	.1								5.9	5.3
NW	1.2	1.8	2.0	.6								5.6	6.4
NNW	.7	2.0	1.9	2.9	.2							7.7	9.0
VARBL													
CALM												16.3	
	12.2	27.1	29.2	13.1	1.7	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.7	4.0	4.6	.1							11.8	9.2
NNE		2.0	2.0	2.0	.1							6.1	9.2
NE	.8	1.1	2.6	1.4	.2							6.1	8.3
ENE	.3	1.1	2.7	.2								4.3	7.4
E	.6	1.6	1.8	.6	.2							4.7	7.6
ESE	.2	.3	1.3	.7								2.6	8.2
SE	.1	.8	.6	.3								1.8	7.5
SSE	.3	.6	.4	.1								1.4	6.0
S	.7	1.8	2.4	.8	.2							5.9	7.8
SSW	.3	1.2	4.6	1.6	.6	.1						8.3	9.6
SW	.3	1.6	3.2	3.7	.4	.1						9.3	10.3
WSW	.2	2.2	1.9	1.3	.4	.1						6.2	9.2
W	.6	1.0	2.4	3.2	1.2	.6						9.0	11.8
WNW	.1	.9	1.3	1.7	.1	.1						4.2	10.5
NW	.6	1.4	2.0	1.9	.2	.1						6.2	9.5
NNW	.4	1.8	3.2	2.3	.4	.1						8.3	9.6
VARBL													
CALM												3.7	
	6.0	22.0	36.4	26.3	4.3	1.2						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.6	3.7	2.1	.1							8.0	8.8
NNE	.4	2.2	3.4	1.4	.1							7.7	8.2
NE	.7	2.7	3.4	.7	.3							7.8	7.4
ENE	.1	2.1	2.0	.9	.1							5.2	7.9
E	.0	1.7	2.4	1.3								5.0	8.1
ESE	.4	1.2	1.2	.6								3.4	7.3
SE	.1	.4	.4	.1								1.1	6.6
SSE		.4	.2	.1	.2							1.0	9.1
S	.1	1.6	3.4	1.1	.3							6.0	8.9
SSW	.2	1.2	4.0	2.9	.4	.2	.1					9.1	10.6
SW	.3	1.0	2.8	3.7	1.1	.1						9.0	11.3
WSW	.3	.6	2.4	2.3	.6	.4						6.4	11.0
W	.1	1.7	3.1	3.2	1.6	.7						10.3	11.9
WNW	.3	.4	1.7	1.2	1.1	.1						4.9	11.9
NW	.1	.4	1.3	1.7	.9	.1						4.6	12.6
NNW		.7	2.7	2.4	.8							6.6	11.2
VARBL													
CALM												2.3	
	4.4	19.9	38.3	25.1	7.7	1.4	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.9	2.3	1.3								5.3	8.1
NNE	.6	1.6	2.0	.6	.1							4.8	7.5
NE	1.3	2.9	2.6	.9								7.1	6.5
ENE	.7	2.3	1.6	.7								5.2	6.7
E	.9	3.2	1.3	1.0								6.4	6.6
ESE	1.2	2.6	2.4	.2								6.4	5.9
SE	.7	2.3	.8	.6								4.3	6.1
SSE	.1	1.0	.4	.2								1.8	6.6
S	.4	2.0	2.0	.8	.2							5.4	7.8
SSW	.3	2.1	4.0	2.9	.6	.1	.1					10.1	9.9
SW	.3	1.0	2.7	2.0	.7		.1					6.8	10.5
WSW	1.0	1.8	2.1	.7	.4	.1	.1					6.2	8.4
W	.7	2.4	2.9	2.2	.6	.2						9.0	9.4
WNW	.1	1.1	1.9	2.0	.1	.1	.1					5.4	10.6
NW	.6	1.9	1.9	1.3	.3							6.0	8.5
NNW	.3	.7	2.0	1.1	.3							4.4	9.4
VARBL													
CALM												5.1	
	10.0	29.8	32.3	18.4	3.3	.6	.4					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.6	2.3	1.0	.3	.2						6.3	8.8
NNE	.8	1.0	1.8	.6	.2							4.3	7.8
NE	.8	1.7	1.1	.3	.1							4.0	6.3
ENE	.3	.3	.8	.6	.1							2.1	8.6
E	1.1	1.7	1.3	.2								4.3	6.1
ESE	1.3	1.3	.8	.2								3.7	5.2
SE	1.3	.9	.3	.3								2.9	5.1
SSE	1.0	1.9	.6	.1								3.6	5.1
S	1.3	3.8	3.8	.9	.1							9.9	6.9
SSW	.7	3.2	2.6	2.0	.2							8.7	7.8
SW	1.6	2.1	2.3	.8	.4							7.2	7.2
WSW	1.4	1.2	1.0	.6	.1		.3					4.7	8.4
W	.9	1.7	.7	1.1	.2	.1						4.7	8.1
WNW	.6	1.1	1.1	.8								3.6	7.3
NW	.7	1.2	1.1	1.1	.1							4.2	8.4
NNW	.6	1.4	1.9	1.3	.1	.1						5.4	8.8
VARBL													
CALM												20.4	
	15.2	26.1	23.4	11.9	2.1	.4	.3					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.3	2.2	2.6	.6		.1					8.6	9.6
NNE	.4	.8	1.3	.7	.1	.1						3.4	8.9
NE		1.2	1.4	.3	.1							3.1	7.9
ENE	.4	.8	1.2	.3	.2							3.0	8.1
E	.4	1.9	.9	.1								3.3	5.6
ESE	.4	.8	.4	.1								1.8	5.5
SE	.9	.9	.3	.1	.1							2.3	5.5
SSE	.4	.4	.3	.1								1.3	5.2
S	2.2	2.4	3.9	1.1	.1							9.8	6.7
SSW	1.4	5.1	3.3	2.8	.1							12.8	7.6
SW	1.6	2.9	1.9	2.2			.1					8.7	7.5
WSW	1.2	.9	1.1	.7		.1	.2					4.2	8.2
W	1.3	1.4	1.2	1.6	.2							5.8	7.8
WNW	1.2	2.3	1.7	.7	.3							6.2	6.9
NW	.3	2.3	1.3	.6	.1							4.7	7.0
NNW	.3	.8	1.3	1.2	.3							4.0	10.1
VARBL													
CALM												17.0	
	13.6	27.3	24.0	15.1	2.3	.2	.4					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.9	3.1	2.2	.2	.1	.0					8.2	6.8
NNE	.5	1.4	1.8	.9	.1	.1						4.9	8.3
NE	.6	1.7	1.9	.8	.1	.0		.0				5.2	7.5
ENE	.3	1.1	1.4	.4	.1			.0				3.3	7.6
E	.6	1.5	1.4	.5	.0							4.1	6.6
ESE	.5	1.0	.9	.2	.0							2.7	6.3
SE	.4	.8	.4	.2	.0							1.9	5.9
SSE	.3	.7	.3	.1	.0							1.5	5.7
S	.8	2.0	2.4	.7	.2							6.1	7.3
SSW	.8	3.1	3.4	2.1	.3	.1	.0					9.8	8.4
SW	1.0	2.6	3.0	2.1	.3	.0	.0					9.0	8.4
WSW	1.1	1.8	1.8	1.0	.3	.1	.1					6.1	8.1
W	.7	1.7	2.5	2.0	.6	.2						7.8	9.6
WNW	.7	1.9	1.6	.9	.2	.0	.0					5.4	7.8
NW	.7	1.7	1.7	1.0	.2	.0						5.3	8.1
NNW	.4	1.4	2.0	1.9	.3	.0						6.1	9.5
VARBL													
CALM												12.7	
	10.4	26.5	29.5	17.0	3.1	.7	.2	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.6	4.5	2.3	1.1							11.2	9.4
NNE	1.0	1.3	1.3	.9								4.4	6.9
NE	.3	1.2	1.2	.8								3.4	7.9
ENE		.2	.6	.4	.1	.1	.1					1.6	12.7
E	.4	.8		.2	.1							1.5	6.1
ESE	.1	.2	.2	.1								.6	6.5
SE	.1	.3	.2									.6	6.3
SSE	.2	.1	.9	.2								1.4	8.1
S	.3	2.0	1.7	1.3								5.4	7.7
SSW	.6	3.2	4.3	3.0	.2							11.4	8.6
SW	.5	3.7	1.8	1.9	.5							8.5	8.5
WSW	.4	1.6	1.9	1.9	.2							6.1	9.1
W	1.2	2.3	3.4	1.5	.4	.1						8.9	8.6
WNW	1.1	1.5	2.2	1.2								5.9	7.3
NW	1.1	2.0	2.4	2.2	.5	.1						8.3	8.7
NNW	.2	1.5	1.6	1.3	.1							4.7	8.7
VARBL													
CALM												15.9	
	8.4	24.5	28.3	19.1	3.3	.3	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	4.0	3.5	3.7	.6	.1						12.9	8.9
NNE	.3	1.3	.8	1.2	.2							4.3	8.3
NE	.5	1.3	1.5	.6								4.0	7.1
ENE	.1		.2	.3		.1	.1					.9	13.4
E	.1	.5	.1	.4		.1						1.3	8.9
ESE		.3	.2	.2								.8	9.1
SE		.1	.5									.6	7.7
SSE	.1	.4	.1	.4	.1							1.2	9.4
S	.6	1.2	1.4	1.8								5.1	8.6
SSW	.2	3.4	3.8	.9	.5	.1						8.9	8.2
SW		2.5	2.5	2.3	.3							7.5	9.3
WSW	1.1	1.2	1.9	1.1	.4							5.7	8.3
W	1.4	2.8	4.4	1.7	.1	.1						10.5	7.8
WNW	1.4	2.2	1.5	1.4	.1							6.6	7.0
NW	.6	1.9	1.9	1.4	.2	.1						6.2	8.8
NNW	.9	1.6	2.3	1.9	.2	.1						7.0	8.8
VARBL													
CALM												16.6	
	8.4	25.3	26.7	17.4	2.9	.8	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	2.3	4.1	1.6	.4							10.0	7.9
NNE	1.0	1.6	1.5	1.8								5.9	7.7
NE	.9	1.0	2.3	1.1								5.2	7.7
ENE	.1	.2	.5	.2		.1						1.2	9.8
E	.3	.6	.4	.3		.1						1.9	9.0
ESE	.2	.1	.3	.1								.8	7.0
SE	.1	.2	.1	.3								.8	7.9
SSE	.1	.2	.2	.5								1.1	9.6
S	.1	1.2	1.8	.8	.3							4.2	9.0
SSW	.9	2.5	4.1	1.8	.5							9.3	8.9
SW	1.2	2.3	3.1	1.9								8.5	7.8
WSW	.8	1.2	2.0	1.0	.1							5.1	8.1
W	.2	2.4	3.1	2.0	.2							8.0	8.5
WNW	.4	4.1	2.0	1.7								8.3	7.6
NW	.5	2.7	2.6	1.5	.3							7.6	8.0
NNW	1.0	.9	1.7	2.9	.5	.1						7.1	10.2
VARBL													
CALM												14.7	
	9.4	23.3	30.0	19.7	2.5	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 — STATION
LANGLEY AFB,VA — STATION NAME
67-70,73-78 — YEARS
DEC — MONTH

ALL WEATHER — CLASS
0900-1100 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.5	3.9	5.5	.6							13.0	9.9
NNE	.0	2.3	1.7	3.0	.2							7.8	8.8
NE	.4	1.7	2.7	1.2								6.0	8.0
ENE	.3	1.4	1.3	.4		.1						3.5	7.7
E	.4	.6	.5	.5								2.2	7.0
ESE	.5	.2	.5	.1	.1							1.5	6.9
SE	.1	.2	.5	.2								1.1	7.6
SSE	.2	.9	.2	.2								1.5	6.3
S	.3	1.3	2.8	1.1	.1							5.6	8.3
SSW	.2	1.8	3.4	2.8	.4							8.7	9.5
SW	.2	.9	3.1	3.4	.9	.3						8.8	11.4
WSW	.2	1.7	1.5	2.2	.5							6.1	10.3
W	.6	2.0	2.0	3.5	.6	.1						9.0	10.0
WNW	.3	.5	1.5	2.0	.4	.2						5.1	11.4
NW	.5	1.1	1.8	3.5	.2							7.2	10.7
NNW	.2	.4	1.4	3.2	1.4	.2						6.9	12.8
VARBL													
CALM												5.9	
	5.9	19.6	29.0	33.0	5.6	1.0						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 61-70, 73-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	4.1	3.5	.4							10.0	9.6
NNE	.3	2.4	2.9	2.4								8.0	8.4
NE	.8	1.8	2.8	1.8								7.2	8.1
ENE	.9	1.7	1.7									4.3	5.5
E	.3	2.2	1.1	.6	.1							4.3	7.4
ESE	.9	.8	.6	.5	.1	.1						3.0	7.5
SE	.2	.9	.1									1.2	4.9
SSE	.1	.4	.3	.2								1.1	7.3
S	.4	1.2	2.8	.9								5.3	8.1
SSW		1.8	2.9	2.4	.5	.2						7.8	10.4
SW	.1	1.1	3.4	2.9	.9	.2	.1					8.7	11.6
WSW	.3	1.0	2.4	3.0	.9	.5						8.1	11.7
W	.2	1.3	3.3	3.2	1.3	.1	.1					9.6	11.2
WNW		.2	1.5	4.3	.9	.6						7.5	13.7
NW	.3	.3	1.5	2.2	1.0	.4						5.7	12.8
NNW	.1	.5	1.6	3.0	.5							5.8	11.7
VARBL													
CALM												2.5	
	5.6	18.8	33.1	31.0	6.6	2.3	.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	2.5	2.3	1.4	.3							7.1	8.2
NNE	.9	3.1	2.7	1.7	.3	.1						8.8	8.0
NE	1.1	2.8	1.8	1.1	.2							7.0	6.9
ENE	.0	2.8	.9	.2	.2							4.7	6.4
E	1.3	2.0	.8	.2	.3	.1						4.7	6.4
ESE	.6	2.0	.9	.8	.1							4.4	7.1
SE	.4	1.7	.2	.2								2.6	5.7
SSE	.2	.9	.2	.3	.1							1.7	7.8
S	.4	1.4	1.8	.5								4.2	7.3
SSW	.2	.9	1.9	2.7	.3	.1						6.1	10.8
SW	.3	2.2	3.1	2.5	.1	.2						8.4	9.4
WSW	.9	1.1	2.2	2.2	.5	.2	.1					7.1	10.4
W	.8	1.3	1.8	2.6	.5		.1					7.1	10.1
WNW	.5	2.4	2.9	2.7	.9	.2	.1					9.7	10.3
NW	.1	1.7	1.8	1.9	1.0	.2	.1					6.9	11.2
NNW	.3	1.1	2.6	1.4	.3	.3						6.0	10.1
VARBL													
CALM												3.4	
	9.4	29.8	27.8	22.4	5.3	1.5	.4					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.2	3.9	1.5	.6							9.6	8.3
NNE	1.1	2.5	1.6	1.8	.3	.4						7.8	8.7
NE	1.3	2.0	1.0	.1								4.4	4.9
ENE	.6	.6	1.0									2.3	5.5
E	.9	.9	.2	.2	.2							2.4	6.5
ESE	.2	1.0	.3	.5	.2							2.3	8.1
SE	.6	1.3	.5	.1								2.6	5.5
SSE	.4	.9	1.2	.4								2.9	6.7
S	.8	1.5	1.6	1.5	.1							5.5	8.0
SSW	.8	3.3	3.3	2.3	.1							9.8	7.9
SW	.6	1.6	2.6	1.3	.1							6.5	8.1
WSW	1.1	2.3	.9	.6		.2						5.1	6.6
W	1.5	1.9	2.3	.9	.4	.1						7.1	7.5
WNW	.4	1.5	1.3	1.7	.3							5.3	9.2
NW	.8	.8	1.3	.8	.8	.2						4.5	10.2
NNW	.2	1.3	.6	.9	.4	.4						3.9	11.0
VARBL													
CALM												18.2	
	12.7	25.5	23.8	14.7	3.7	1.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 928

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 57-70, 73-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	2.6	4.5	1.8	.8	.7						11.4	8.5
NNE	.6	.6	1.6	1.1		.2						4.2	8.8
NE	.5	.9	1.4	.3								3.1	6.8
ENE	.3	.3	.4	.1								1.2	5.9
E	.5	.2	.6	.1								1.5	6.1
ESE	.6	.6	.1	.3								1.7	5.7
SE	.4	.2	.5	.1								1.3	5.5
SSE	.4	.9	.5	.2								2.0	6.1
S	.8	1.2	2.2	1.9								6.0	8.6
SSW	.6	3.3	4.1	2.3	.1							10.5	8.2
SW	.8	3.3	3.1	2.2	.2							9.6	8.1
WSW	.8	1.5	1.8	.8	.1	.1						5.1	8.1
W	.5	1.2	1.8	2.5	.2	.1	.1					6.5	9.9
WNW	.8	1.6	1.4	1.3	.1							5.2	7.9
NW	.9	1.5	1.9	1.8	.3	.2						6.7	9.3
NNW	1.0	.9	.6	2.2	.6							5.3	9.9
VARBL													
CALM												18.7	
	11.1	20.9	26.9	19.0	2.5	.9	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 927

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) DEC (MONTH)

ALL WT. THR (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.5	3.8	2.7	.6	.1						10.7	8.9
NNE	.7	2.0	1.8	1.7	.1	.1						6.4	8.3
NE	.7	1.6	1.8	.9	.0							5.0	7.3
ENE	.4	.9	.8	.2	.0	.1	.0					2.5	7.3
E	.5	1.0	.5	.3	.1	.1						2.5	7.1
ESE	.4	.7	.4	.3	.1	.0						1.9	7.2
SE	.3	.6	.3	.1								1.3	6.0
SSE	.2	.6	.5	.3	.0							1.6	7.4
S	.5	1.4	2.0	1.2	.1							5.2	8.2
SSW	.4	2.5	3.5	2.3	.3	.1						9.1	8.9
SW	.5	2.2	2.9	2.3	.4	.1	.0					8.3	9.3
WSW	.7	1.4	1.6	1.6	.3	.1	.0					6.0	9.3
W	.8	1.9	2.8	2.2	.5	.1	.0					8.3	9.2
WNW	.6	1.7	1.8	2.0	.3	.1	.0					6.7	9.4
NW	.6	1.5	1.9	1.9	.5	.2	.0					6.6	9.9
NNW	.5	1.0	1.6	2.1	.5	.1						5.8	10.4
VARBL													
CALM												12.0	
	8.9	23.5	28.2	22.3	4.0	1.1	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7435

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-79 (YEARS) ALL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.9	3.0	2.4	.4	.1	.0	.0				8.5	9.2
NNE	.6	1.3	1.9	1.3	.3	.1	.0	.0				5.6	9.0
NE	.5	1.5	2.0	1.2	.2	.0	.0	.0				5.4	8.5
ENE	.4	1.2	1.7	.7	.1	.0	.0	.0				4.1	8.2
E	.8	2.0	2.0	.6	.1	.0	.0					5.5	7.0
ESE	.7	1.6	1.5	.4	.1	.0						4.1	6.6
SE	.6	1.2	.9	.2	.0							2.9	6.1
SSE	.5	1.0	.6	.2	.0							2.3	6.0
S	.9	2.0	2.4	1.2	.1	.0	.0					6.7	7.6
SSW	.7	2.1	3.4	2.1	.3	.0	.0					8.6	8.7
SW	.7	2.0	3.0	2.1	.3	.1	.0	.0	.0			8.2	8.9
WSW	.8	1.7	2.0	1.3	.3	.1	.0	.0				6.1	8.5
W	1.0	1.7	2.0	1.4	.4	.1	.0	.0				6.6	8.6
WNW	.7	1.2	1.1	.9	.2	.1	.0					4.2	8.1
NW	.6	1.1	1.1	.8	.2	.1	.0					4.0	8.4
NNW	.4	.9	1.4	1.3	.2	.0	.0					4.3	9.2
VARBL													
CALM												12.8	
	10.5	24.6	29.8	18.4	3.1	.7	.1	.0	.0			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 87637

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 61-70, 73-79 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) ALL (HOURS (L.S.T.))

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE (CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.4	3.4	4.7	1.5	.4	.1	.0				15.7	10.5
NNE	.7	2.1	3.6	3.5	1.1	.	.1	.0				11.5	10.5
NE	.5	1.5	2.3	2.6	.6	.2	.1	.0				7.9	10.5
ENE	.4	1.3	1.6	1.3	.4	.2	.1	.0				5.5	10.0
E	.6	2.2	2.1	1.2	.2	.1	.0					6.4	8.1
ESE	.0	1.3	1.1	.6	.1	.1						3.7	7.1
SE	.5	1.0	.9	.4	.0							2.8	6.8
SSE	.3	1.0	.7	.3	.1							2.4	7.2
S	.6	1.5	1.9	1.3	.2	.0						5.5	8.5
SSW	.5	1.3	1.8	1.0	.1	.6	.0					4.8	8.4
SW	.4	1.3	1.8	.9	.1	.1	.0	.0				4.7	8.6
WSW	.4	.9	1.2	.7	.1	.0	.0					3.4	8.6
W	.7	1.3	1.3	.8	.1	.1						4.2	7.8
WNW	.5	.9	.8	.7	.2	.1	.0					3.2	8.4
NW	.6	1.0	.9	.7	.2	.1	.0					3.5	8.4
NNW	.4	1.4	1.7	1.5	.2	.1						5.4	9.3
VARBL													
CALM												9.3	
	8.7	22.5	29.6	22.6	5.2	1.7	.4	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 8556

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 < 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0	-				95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥¾	≥½	≥	≥5/16	≥	≥0
NO CEILING	27.7	54.1	54.8	54.9	55.4	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.3
≥ 20000	29.3	56.2	57.2	57.3	57.8	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.7
≥ 18000	29.4	56.3	57.3	57.4	57.9	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.8
≥ 16000	29.4	56.3	57.3	57.4	57.9	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.8
≥ 14000	29.4	56.4	57.4	57.5	58.0	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.9
≥ 12000	29.7	57.9	58.9	59.0	59.5	59.7	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.4
≥ 10000	31.1	61.6	62.6	62.8	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.9	63.9	64.3
≥ 9000	31.1	61.9	63.0	63.1	63.7	63.9	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.6
≥ 8000	32.6	64.9	66.3	66.4	67.1	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.9
≥ 7000	33.5	67.2	68.7	68.8	69.4	69.6	69.8	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.3
≥ 6000	33.7	67.9	69.4	69.5	70.2	70.5	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.9	70.9	71.3
≥ 5000	34.3	70.1	71.8	72.1	72.8	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.8
≥ 4500	34.4	70.6	72.3	72.7	73.3	73.6	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.4
≥ 4000	34.9	72.2	74.1	74.6	75.2	75.7	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.4
≥ 3500	35.3	73.0	74.8	75.3	76.1	76.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.9	76.9	77.2
≥ 3000	35.7	74.3	76.2	76.9	77.7	78.0	78.3	78.4	78.5	78.6	78.6	78.6	78.6	78.7	78.7	79.0
≥ 2500	35.8	74.9	77.0	77.8	78.8	79.1	79.3	79.4	79.5	79.7	79.7	79.7	79.7	79.8	79.8	80.1
≥ 2000	36.6	78.3	80.5	81.7	82.8	83.1	83.5	83.6	83.7	83.9	83.9	83.9	83.9	84.0	84.0	84.3
≥ 1800	36.7	78.4	80.6	81.8	82.9	83.2	83.6	83.7	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.4
≥ 1500	36.9	79.2	81.6	82.8	84.0	84.3	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.1	85.1	85.5
≥ 1200	37.5	80.5	83.1	84.6	86.2	86.5	87.1	87.2	87.3	87.4	87.4	87.4	87.4	87.5	87.5	87.8
≥ 1000	37.6	81.7	84.4	86.0	87.6	87.9	88.6	88.7	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.3
≥ 900	37.6	81.9	84.6	86.3	88.1	88.4	89.0	89.1	89.2	89.3	89.3	89.3	89.3	89.5	89.5	89.8
≥ 800	37.7	82.0	84.7	86.8	88.5	88.8	89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.9	89.9	90.2
≥ 700	37.8	82.5	85.1	87.3	89.1	89.5	90.1	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.9
≥ 600	37.8	82.7	85.4	87.9	89.9	90.2	90.9	91.1	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.7
≥ 500	37.8	82.8	85.6	88.5	90.9	91.4	92.1	92.6	92.7	92.8	92.8	92.8	92.8	92.9	92.9	93.2
≥ 400	37.8	83.0	85.8	89.0	91.8	92.5	93.3	94.3	94.6	94.7	94.9	94.9	94.9	95.0	95.0	95.4
≥ 300	37.8	83.0	85.8	89.1	92.2	93.2	94.4	95.4	95.7	96.0	96.7	96.7	96.8	96.9	97.2	97.5
≥ 200	37.8	83.0	85.8	89.1	92.2	93.3	94.5	95.6	96.2	96.9	97.8	97.8	98.0	98.2	98.6	99.0
≥ 100	37.8	83.0	85.8	89.1	92.2	93.4	94.6	95.7	96.3	97.0	98.0	98.0	98.1	98.3	98.7	99.2
≥ 0	37.8	83.0	85.8	89.1	92.2	93.4	94.6	95.7	96.3	97.0	98.0	98.0	98.1	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13762 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	25.5	53.5	54.2	54.3	54.5	54.8	55.1	55.1	55.2	55.2	55.2	55.2	55.4	55.4	55.4	55.6
≥ 20000	27.0	56.2	57.2	57.3	57.5	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.7
≥ 18000	27.0	56.2	57.2	57.3	57.5	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.7
≥ 16000	27.0	56.2	57.2	57.3	57.5	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.7
≥ 14000	27.0	56.3	57.3	57.4	57.6	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.8
≥ 12000	27.1	57.5	58.5	58.6	58.8	59.2	59.5	59.5	59.6	59.6	59.6	59.6	59.8	59.8	59.8	60.0
≥ 10000	29.0	61.4	62.4	62.5	62.7	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.7	63.7	63.7	63.9
≥ 9000	29.1	61.8	62.8	62.9	63.1	63.5	63.8	63.8	63.9	63.9	63.9	63.9	64.1	64.1	64.1	64.3
≥ 8000	30.1	64.0	65.2	65.3	65.5	65.9	66.1	66.1	66.2	66.2	66.2	66.2	66.5	66.5	66.5	66.7
≥ 7000	31.3	65.5	66.7	66.8	67.0	67.4	67.6	67.6	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.2
≥ 6000	31.3	66.1	67.3	67.4	67.6	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.8
≥ 5000	31.8	68.6	69.8	69.9	70.1	70.5	70.8	70.8	70.9	70.9	70.9	70.9	71.1	71.1	71.1	71.3
≥ 4500	31.9	69.0	70.2	70.3	70.5	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.5	71.5	71.5	71.7
≥ 4000	32.7	71.2	72.4	72.8	73.2	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.3	74.3	74.3	74.5
≥ 3500	33.0	72.0	73.3	73.9	74.3	74.7	75.1	75.1	75.2	75.2	75.2	75.2	75.4	75.4	75.4	75.6
≥ 3000	33.9	74.0	75.4	76.0	76.5	76.9	77.2	77.2	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.7
≥ 2500	34.3	75.2	76.7	77.5	78.0	78.4	78.7	78.7	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.2
≥ 2000	34.8	77.5	79.4	80.4	81.2	81.6	81.9	82.0	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.6
≥ 1800	35.1	78.0	79.9	81.1	81.8	82.3	82.6	82.7	82.8	82.8	82.8	82.8	83.0	83.0	83.0	83.2
≥ 1500	35.5	78.8	81.1	82.6	83.4	84.0	84.3	84.4	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.9
≥ 1200	35.9	79.9	82.3	84.0	84.9	85.5	85.8	85.9	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.5
≥ 1000	36.0	80.4	82.9	84.6	85.7	86.2	86.6	86.7	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.2
≥ 900	36.1	80.9	83.4	85.2	86.2	86.8	87.2	87.3	87.4	87.4	87.4	87.4	87.6	87.6	87.6	87.8
≥ 800	36.3	81.5	84.4	86.3	87.5	88.1	88.5	88.6	88.7	88.7	88.7	88.7	88.9	88.9	88.9	89.1
≥ 700	36.3	81.7	84.9	87.0	88.5	89.0	89.5	89.6	89.7	89.7	89.7	89.7	89.9	89.9	89.9	90.1
≥ 600	36.5	81.8	85.5	87.8	89.6	90.2	90.6	90.8	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.3
≥ 500	36.5	81.8	85.7	88.6	91.2	91.9	92.6	92.9	93.0	93.0	93.1	93.1	93.3	93.3	93.3	93.5
≥ 400	36.5	81.8	85.7	88.8	91.5	92.3	93.3	94.0	94.2	94.2	94.3	94.3	94.5	94.5	94.5	94.7
≥ 300	36.5	82.0	85.9	89.1	91.8	92.6	94.0	95.3	95.5	95.8	95.9	95.9	96.1	96.1	96.3	96.6
≥ 200	36.5	82.0	85.9	89.1	91.9	92.7	94.2	95.6	95.8	96.2	97.1	97.2	97.4	97.4	97.7	98.0
≥ 100	36.5	82.0	85.9	89.1	91.9	92.7	94.2	95.6	95.8	96.2	97.2	97.3	97.7	97.8	98.3	99.0
≥ 0	36.5	82.0	85.9	89.1	91.9	92.7	94.2	95.6	95.8	96.2	97.2	97.3	97.7	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900 HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥0	
NO CEILING	23.4	50.4	51.2	51.7	52.4	52.4	52.6	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.1
≥ 20000	25.2	53.3	54.2	54.7	55.6	55.7	55.9	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.5
≥ 18000	25.2	53.3	54.2	54.7	55.6	55.7	55.9	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.5
≥ 16000	25.2	53.3	54.2	54.7	55.6	55.7	55.9	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.5
≥ 14000	25.2	53.7	54.5	55.1	55.9	56.0	56.2	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.8
≥ 12000	25.4	54.4	55.4	55.9	56.8	56.9	57.1	57.1	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.7
≥ 10000	27.0	59.2	60.2	60.8	61.7	61.8	62.0	62.0	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.7
≥ 9000	27.1	59.8	60.8	61.3	62.3	62.4	62.6	62.6	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.2
≥ 8000	28.3	62.4	63.3	64.1	65.2	65.4	65.6	65.7	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.3
≥ 7000	29.2	63.7	64.6	65.4	66.5	66.7	66.9	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.6
≥ 6000	29.6	64.3	65.3	66.1	67.2	67.4	67.6	67.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.5
≥ 5000	29.9	66.2	67.4	68.4	69.6	69.8	70.0	70.1	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.9
≥ 4500	29.9	66.8	68.0	68.9	70.1	70.3	70.5	70.6	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.4
≥ 4000	30.4	68.8	70.1	71.7	73.1	73.3	73.5	73.7	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.5
≥ 3500	31.0	70.5	71.8	73.5	74.9	75.2	75.4	75.5	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.3
≥ 3000	31.3	72.2	73.4	75.4	76.8	77.1	77.3	77.4	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.3
≥ 2500	31.8	73.7	74.9	76.9	78.3	78.6	78.8	78.9	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.8
≥ 2000	32.4	75.4	76.7	78.8	80.4	80.8	81.0	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.9
≥ 1800	32.4	75.5	76.9	79.0	80.6	81.0	81.2	81.3	81.5	81.8	81.8	81.8	81.8	81.8	81.8	82.2
≥ 1500	32.5	75.7	77.3	80.0	81.7	82.0	82.4	82.5	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.3
≥ 1200	32.5	77.0	78.8	81.6	83.7	84.0	84.3	84.4	84.6	84.9	84.9	84.9	84.9	84.9	84.9	85.3
≥ 1000	32.5	77.4	79.7	82.6	84.7	85.2	85.5	85.6	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.6
≥ 900	32.5	77.8	80.3	83.2	85.4	85.8	86.2	86.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.3
≥ 800	32.5	78.1	80.9	84.0	86.3	86.8	87.3	87.4	87.6	88.1	88.1	88.2	88.2	88.2	88.2	88.5
≥ 700	32.6	78.5	81.5	84.7	87.1	87.5	88.2	88.3	88.5	88.9	88.9	89.0	89.0	89.0	89.0	89.4
≥ 600	32.8	78.9	82.3	86.2	89.0	89.6	90.2	90.3	90.5	91.0	91.0	91.1	91.1	91.1	91.1	91.4
≥ 500	32.8	79.0	82.5	87.1	90.1	90.6	91.8	91.9	92.2	92.7	92.7	92.8	92.8	92.8	92.8	93.1
≥ 400	32.8	79.0	82.6	87.3	90.9	91.6	92.9	93.1	93.7	94.3	94.4	94.5	94.6	94.6	94.6	94.9
≥ 300	32.8	79.0	82.6	87.5	91.0	92.0	93.7	94.9	95.6	96.5	96.7	96.8	97.0	97.1	97.1	97.4
≥ 200	32.8	79.0	82.6	87.5	91.1	92.2	93.8	95.2	95.8	96.8	97.4	97.6	98.0	98.1	98.3	98.9
≥ 100	32.8	79.0	82.6	87.5	91.1	92.2	93.8	95.3	95.9	96.9	97.5	97.7	98.1	98.4	98.7	99.7
≥ 0	32.8	79.0	82.6	87.5	91.1	92.2	93.8	95.3	95.9	96.9	97.5	97.7	98.1	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	24.5	47.7	48.6	49.2	49.8	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.3
≥ 20000	27.2	52.8	53.8	54.7	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.8	55.9	55.9	55.9	56.0
≥ 18000	27.5	53.2	54.3	55.3	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.3	56.5	56.5	56.5	56.6
≥ 16000	27.5	53.2	54.3	55.3	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.3	56.5	56.5	56.5	56.6
≥ 14000	27.7	54.2	55.3	56.2	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.3	57.4	57.4	57.4	57.5
≥ 12000	28.2	55.4	56.6	57.5	58.3	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.9	58.9	58.9	59.0
≥ 10000	28.8	58.9	60.1	61.2	62.3	62.6	62.9	62.9	63.0	63.0	63.1	63.2	63.3	63.3	63.3	63.4
≥ 9000	28.8	59.6	60.8	61.8	62.9	63.2	63.5	63.5	63.7	63.7	63.8	63.9	64.0	64.0	64.0	64.1
≥ 8000	29.7	62.9	64.1	65.4	66.6	66.9	67.2	67.2	67.3	67.3	67.4	67.5	67.6	67.6	67.6	67.7
≥ 7000	29.7	64.3	65.7	67.0	68.2	68.5	68.8	68.8	68.9	68.9	69.0	69.1	69.4	69.4	69.4	69.5
≥ 6000	29.9	65.1	66.5	67.7	69.0	69.4	69.8	69.9	70.1	70.1	70.2	70.3	70.5	70.5	70.5	70.6
≥ 5000	30.3	67.0	68.5	70.1	71.4	71.7	72.2	72.3	72.5	72.5	72.6	72.7	72.9	72.9	72.9	73.0
≥ 4500	30.3	67.4	69.1	71.0	72.3	72.6	73.0	73.1	73.3	73.3	73.4	73.5	73.8	73.8	73.8	73.9
≥ 4000	30.8	68.8	70.6	72.6	74.0	74.3	74.7	74.8	75.1	75.1	75.2	75.3	75.5	75.5	75.5	75.6
≥ 3500	31.0	69.6	71.6	73.7	75.2	75.5	75.9	76.0	76.2	76.2	76.3	76.5	76.7	76.7	76.7	76.8
≥ 3000	31.1	70.6	72.8	75.4	77.1	77.5	78.0	78.1	78.3	78.3	78.4	78.5	78.7	78.7	78.7	78.8
≥ 2500	31.1	71.1	73.3	76.1	78.1	78.8	79.2	79.4	79.6	79.6	79.7	79.8	80.0	80.0	80.0	80.1
≥ 2000	31.1	71.8	74.2	77.2	79.4	80.3	81.0	81.1	81.3	81.4	81.5	81.6	81.8	81.8	81.8	81.9
≥ 1800	31.2	72.0	74.4	77.4	79.6	80.5	81.2	81.4	81.6	81.7	81.8	81.9	82.2	82.2	82.2	82.3
≥ 1500	31.3	72.7	75.1	78.6	80.8	81.7	82.6	82.9	83.1	83.2	83.4	83.5	83.8	83.8	83.8	83.9
≥ 1200	31.5	73.9	76.8	80.4	82.9	84.0	84.9	85.4	85.6	85.7	85.9	86.0	86.2	86.2	86.2	86.3
≥ 1000	31.6	74.4	77.4	81.4	83.9	84.9	85.9	86.3	86.6	86.8	87.0	87.1	87.4	87.4	87.4	87.5
≥ 900	31.6	74.5	78.0	82.0	84.5	85.7	86.7	87.2	87.5	87.7	88.0	88.1	88.4	88.4	88.4	88.5
≥ 800	31.7	74.8	78.5	82.8	85.7	87.2	88.2	88.8	89.1	89.4	89.6	89.7	90.0	90.0	90.0	90.1
≥ 700	31.7	74.8	78.7	83.1	86.2	87.8	88.8	89.5	89.8	90.0	90.2	90.3	90.8	90.8	90.8	90.9
≥ 600	31.7	75.2	79.1	84.3	88.2	89.8	90.8	91.5	91.8	92.0	92.3	92.4	92.8	92.8	92.8	92.9
≥ 500	31.7	75.2	79.2	84.6	89.0	90.8	92.2	92.9	93.2	93.5	93.8	93.9	94.3	94.3	94.3	94.4
≥ 400	31.7	75.3	79.5	84.8	89.7	91.6	93.4	94.7	95.5	95.9	96.1	96.2	96.7	96.7	96.7	96.8
≥ 300	31.7	75.3	79.5	84.9	90.0	91.9	94.0	95.7	96.7	97.2	97.5	97.7	98.3	98.3	98.5	98.7
≥ 200	31.7	75.3	79.5	85.1	90.1	92.0	94.1	95.8	96.9	97.4	98.0	98.2	98.9	98.9	99.4	99.9
≥ 100	31.7	75.3	79.5	85.1	90.1	92.0	94.1	95.8	96.9	97.4	98.0	98.2	98.9	98.9	99.4	100.0
≥ 0	31.7	75.3	79.5	85.1	90.1	92.0	94.1	95.8	96.9	97.4	98.0	98.2	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	26.2	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	30.0	54.5	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 18000	30.1	54.6	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	30.1	54.6	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	30.3	55.4	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 12000	31.3	57.7	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	32.7	62.4	63.2	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 9000	32.8	63.1	64.0	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	33.4	67.0	68.0	68.5	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	33.7	68.3	69.4	69.9	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 6000	33.7	69.0	70.3	71.0	71.6	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	34.0	70.1	71.6	72.4	73.1	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	34.1	70.8	72.3	73.0	73.8	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	34.4	72.3	74.0	74.7	75.5	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	34.5	73.1	74.8	75.7	76.5	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	34.9	75.3	77.5	78.5	79.2	79.6	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2500	34.9	75.7	78.2	79.2	80.1	80.6	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	35.3	77.2	80.1	81.4	82.4	82.9	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1800	35.4	77.5	80.4	81.7	82.7	83.2	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	35.4	78.3	81.2	82.6	83.8	84.3	84.7	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200	35.6	79.7	83.1	84.9	86.3	87.0	87.4	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	35.6	80.1	84.1	86.2	87.8	88.5	88.9	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	35.6	80.1	84.1	86.5	88.3	88.9	89.5	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	35.6	80.2	84.2	87.0	89.0	89.9	90.5	91.2	91.3	91.3	91.6	91.6	91.7	91.7	91.7	91.7
≥ 700	35.6	80.5	84.6	87.7	89.9	91.0	91.6	92.4	92.5	92.5	92.9	92.9	93.0	93.0	93.0	93.0
≥ 600	35.6	80.6	84.8	88.5	91.3	92.5	93.1	94.0	94.2	94.3	94.7	94.9	95.1	95.1	95.1	95.1
≥ 500	35.6	80.6	84.8	88.6	91.6	93.0	93.9	94.7	95.1	95.2	95.6	95.8	95.9	95.9	95.9	95.9
≥ 400	35.6	80.6	84.8	88.6	91.6	93.1	94.1	95.3	95.8	96.1	96.7	96.9	97.0	97.0	97.1	97.1
≥ 300	35.6	80.6	84.8	88.6	91.7	93.4	94.4	95.9	96.7	97.3	98.1	98.3	98.6	98.6	98.7	98.7
≥ 200	35.6	80.6	84.8	88.6	91.7	93.4	94.5	96.0	96.8	97.4	98.2	98.4	98.8	99.0	99.5	99.6
≥ 100	35.6	80.6	84.8	88.6	91.7	93.4	94.5	96.0	96.8	97.4	98.2	98.4	98.9	99.1	99.6	99.9
≥ 0	35.6	80.6	84.8	88.6	91.7	93.4	94.5	96.0	96.8	97.4	98.2	98.4	98.9	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	25.1	48.6	48.8	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	28.7	53.2	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 18000	28.8	53.4	54.0	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 16000	28.8	53.4	54.0	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 14000	29.0	53.7	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	29.2	54.6	55.5	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 10000	30.4	59.1	60.0	60.2	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	30.6	60.4	61.4	61.6	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	32.2	65.4	66.9	67.2	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	32.6	67.6	69.2	69.6	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000	32.7	69.0	70.9	71.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 5000	33.0	70.6	72.6	73.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4500	33.2	71.2	73.2	74.0	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	33.8	72.9	75.3	76.0	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3500	33.9	73.8	76.1	76.9	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3000	34.3	75.9	78.5	79.4	81.1	81.3	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	34.3	76.3	78.9	79.8	81.5	81.7	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2000	34.6	78.1	80.9	82.2	84.0	84.3	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	34.6	78.4	81.2	82.5	84.3	84.6	84.9	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	34.8	79.0	82.0	83.8	85.7	86.5	86.9	87.4	87.4	87.5	87.7	87.7	87.7	87.8	87.8	87.8
≥ 1200	34.8	79.9	83.3	85.3	87.4	88.2	88.9	89.5	89.6	89.7	89.9	89.9	89.9	90.0	90.0	90.0
≥ 1000	34.8	80.0	83.4	86.0	88.2	89.1	90.0	90.5	90.6	90.8	91.0	91.0	91.0	91.1	91.1	91.1
≥ 900	34.8	80.1	83.7	86.3	88.5	89.6	90.4	91.1	91.3	91.4	91.8	91.8	91.8	91.9	91.9	91.9
≥ 800	34.8	80.2	84.0	86.7	88.9	90.4	91.4	92.0	92.3	92.6	93.1	93.1	93.1	93.2	93.2	93.2
≥ 700	34.8	80.5	84.3	87.0	89.4	91.0	91.9	92.6	92.8	93.1	93.8	93.8	93.8	93.9	93.9	93.9
≥ 600	34.8	80.5	84.3	87.1	90.2	91.9	93.0	93.7	93.9	94.3	94.9	94.9	95.1	95.2	95.2	95.2
≥ 500	34.8	80.5	84.4	87.3	90.6	92.4	93.4	94.2	94.4	94.8	95.6	95.6	95.7	95.8	95.8	95.8
≥ 400	34.8	80.5	84.4	87.5	91.1	92.9	94.0	95.5	95.9	96.6	97.3	97.3	97.6	97.7	97.7	97.7
≥ 300	34.8	80.5	84.4	87.5	91.1	92.9	94.0	95.8	96.2	97.2	98.2	98.2	98.6	98.7	98.7	98.7
≥ 200	34.8	80.5	84.4	87.5	91.1	92.9	94.0	95.8	96.5	97.4	98.4	98.6	99.2	99.5	99.6	99.7
≥ 100	34.8	80.5	84.4	87.5	91.1	92.9	94.0	95.8	96.5	97.5	98.5	98.7	99.4	99.6	99.8	100.0
0	34.8	80.5	84.4	87.5	91.1	92.9	94.0	95.8	96.5	97.5	98.5	98.7	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING	27.0	48.8	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.8	49.9
≥ 20000	28.8	51.5	52.5	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.1	53.2
≥ 18000	28.8	51.5	52.5	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.1	53.2
≥ 16000	28.9	51.6	52.6	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.2	53.3
≥ 14000	29.4	52.0	53.0	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.7	53.8
≥ 12000	30.2	53.9	54.8	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.5	55.6
≥ 10000	32.2	58.3	59.4	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.1
≥ 9000	32.2	58.9	59.9	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.8	60.9
≥ 8000	33.2	63.5	64.6	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.7	65.8
≥ 7000	33.7	65.2	66.2	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.4
≥ 6000	34.0	66.2	67.4	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.9
≥ 5000	34.5	68.8	70.3	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.8	71.9
≥ 4500	35.2	69.6	71.1	71.8	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.6	72.7
≥ 4000	36.0	72.6	74.2	75.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	76.0	76.1
≥ 3500	36.3	74.6	76.5	77.5	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.4	78.5
≥ 3000	36.8	77.3	79.2	80.4	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.4	81.5
≥ 2500	36.9	78.5	80.4	81.8	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.8	82.9	82.9	83.0	83.1
≥ 2000	37.0	80.2	82.4	83.9	84.7	84.8	84.8	85.1	85.1	85.2	85.2	85.3	85.4	85.4	85.5	85.6
≥ 1800	37.1	80.5	82.7	84.2	85.1	85.3	85.3	85.5	85.5	85.6	85.6	85.7	85.8	85.8	85.9	86.0
≥ 1500	37.4	82.2	84.4	86.3	87.4	87.6	87.7	88.0	88.0	88.1	88.2	88.3	88.4	88.4	88.5	88.6
≥ 1200	37.6	83.7	86.0	88.1	89.0	89.8	89.9	90.1	90.1	90.2	90.3	90.4	90.5	90.5	90.6	90.8
≥ 1000	37.7	84.0	86.5	88.5	90.0	90.2	90.3	90.5	90.5	90.6	90.8	90.9	91.0	91.0	91.1	91.2
≥ 900	37.7	84.3	86.8	88.8	90.4	90.8	90.9	91.1	91.1	91.3	91.4	91.5	91.6	91.6	91.7	91.8
≥ 800	37.7	84.3	86.9	89.1	90.8	91.2	91.6	91.9	91.9	92.2	92.4	92.5	92.6	92.6	92.7	92.8
≥ 700	37.7	84.4	87.0	89.2	91.0	91.4	91.9	92.3	92.3	92.5	92.7	92.9	93.0	93.0	93.1	93.2
≥ 600	37.7	84.5	87.1	89.5	91.8	92.3	92.8	93.3	93.3	93.5	93.8	94.1	94.2	94.2	94.3	94.4
≥ 500	37.7	84.7	87.4	89.9	92.6	93.2	93.8	94.3	94.3	94.6	94.8	95.2	95.3	95.3	95.4	95.5
≥ 400	37.7	84.7	87.4	89.9	92.9	93.5	94.2	95.4	95.4	95.7	96.0	96.3	96.5	96.5	96.6	96.7
≥ 300	37.7	84.7	87.4	89.9	93.2	93.9	94.8	96.5	96.7	97.2	97.7	98.1	98.2	98.3	98.4	98.5
≥ 200	37.7	84.7	87.4	89.9	93.2	93.9	94.8	96.5	96.7	97.2	98.1	98.6	98.7	98.8	98.9	99.0
≥ 100	37.7	84.7	87.4	89.9	93.2	93.9	94.8	96.5	96.7	97.3	98.5	99.0	99.1	99.2	99.6	99.8
= 0	37.7	84.7	87.4	89.9	93.2	93.9	94.8	96.5	96.7	97.3	98.5	99.0	99.2	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	28.6	54.0	54.3	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.9
≥ 20000	30.0	55.9	56.6	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4
≥ 18000	30.0	55.9	56.6	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4
≥ 16000	30.0	55.9	56.6	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4
≥ 14000	30.3	56.6	57.2	57.5	57.7	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.1
≥ 12000	30.5	57.3	58.0	58.3	58.5	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.8
≥ 10000	32.9	62.4	63.1	63.7	64.1	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.4
≥ 9000	32.9	63.0	63.8	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	65.1
≥ 8000	33.8	65.9	66.7	67.2	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	68.0
≥ 7000	34.7	67.4	68.2	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.5
≥ 6000	34.8	68.1	68.8	69.4	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.1
≥ 5000	35.6	71.3	72.6	73.1	73.5	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.9
≥ 4500	35.9	72.0	73.4	74.0	74.4	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7
≥ 4000	36.3	74.5	76.0	76.7	77.1	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.5
≥ 3500	36.6	75.5	77.2	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8
≥ 3000	36.8	76.0	77.8	78.8	79.2	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.8
≥ 2500	37.0	77.0	78.8	80.2	80.9	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.5
≥ 2000	37.7	80.0	81.9	83.4	84.3	84.7	84.7	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	85.1
≥ 1800	38.1	80.6	82.7	84.2	85.2	85.6	85.6	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.9
≥ 1500	38.3	81.8	84.0	85.5	86.8	87.3	87.3	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.8
≥ 1200	38.7	82.9	85.3	86.9	88.2	88.7	89.0	89.2	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.8
≥ 1000	38.7	83.3	85.7	87.3	88.6	89.1	89.5	89.7	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.2
≥ 900	38.8	83.7	86.2	87.8	89.2	89.8	90.1	90.3	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.9
≥ 800	38.8	83.8	86.5	88.2	89.7	90.2	90.6	90.9	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.4
≥ 700	38.8	83.8	86.5	88.3	89.8	90.3	90.8	91.0	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.6
≥ 600	38.8	83.8	86.5	88.4	90.0	91.2	91.6	92.0	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.7
≥ 500	38.8	83.8	86.6	88.6	91.4	92.0	92.8	93.2	93.3	93.7	93.9	93.9	94.2	94.2	94.2	94.3
≥ 400	38.8	83.9	86.7	88.8	92.4	93.0	93.8	94.8	94.9	95.3	95.6	95.6	95.9	95.9	95.9	96.0
≥ 300	38.8	83.9	86.7	88.8	92.6	93.3	94.3	96.0	96.2	96.6	97.2	97.2	97.5	97.5	97.5	97.6
≥ 200	38.8	83.9	86.7	88.8	92.6	93.3	94.4	96.2	96.5	97.0	97.6	97.6	98.1	98.1	98.1	98.3
≥ 100	38.8	83.9	86.7	88.8	92.6	93.3	94.4	96.2	96.5	97.0	97.6	97.6	98.4	98.5	98.5	98.9
≥ 0	38.8	83.9	86.7	88.8	92.6	93.3	94.4	96.2	96.5	97.0	97.6	97.6	98.4	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 0-11-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13706 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

ALL (HOURS LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	20.0	50.8	51.4	51.6	51.9	52.0	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.3	52.4
≥ 20000	29.3	54.2	55.0	55.4	55.7	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.2
≥ 18000	30.4	54.3	55.2	55.5	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.4
≥ 16000	28.4	54.3	55.2	55.5	55.8	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.4
≥ 14000	28.5	54.8	55.6	55.9	56.3	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.8
≥ 12000	29.0	56.1	57.0	57.3	57.7	57.8	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.3
≥ 10000	30.5	60.4	61.4	61.7	62.3	62.4	62.5	62.5	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.9
≥ 9000	30.6	61.1	62.0	62.4	63.0	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.6
≥ 8000	31.7	64.5	65.6	66.1	66.8	67.0	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.5
≥ 7000	32.3	66.1	67.3	67.8	68.5	68.7	68.9	68.9	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.2
≥ 6000	32.5	67.0	68.2	68.8	69.5	69.8	69.9	70.0	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.3
≥ 5000	32.9	69.1	70.6	71.3	72.1	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.9
≥ 4500	33.1	69.7	71.2	72.0	72.7	72.9	73.1	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.5
≥ 4000	33.7	71.7	73.3	74.3	75.2	75.5	75.6	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.1
≥ 3500	33.9	72.8	74.5	75.6	76.5	76.8	76.9	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.3	77.4
≥ 3000	34.3	74.4	76.4	77.6	78.6	78.9	79.1	79.2	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.6
≥ 2500	34.5	75.3	77.3	78.7	79.8	80.1	80.4	80.5	80.5	80.6	80.6	80.7	80.7	80.8	80.8	80.9
≥ 2000	34.9	77.3	79.5	81.1	82.4	82.8	83.1	83.3	83.3	83.4	83.5	83.5	83.6	83.6	83.6	83.7
≥ 1800	35.1	77.6	79.8	81.5	82.8	83.2	83.5	83.7	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.2
≥ 1500	35.3	78.5	80.8	82.8	84.2	84.7	85.1	85.3	85.4	85.5	85.6	85.7	85.7	85.8	85.8	85.9
≥ 1200	35.5	79.7	82.3	84.5	86.2	86.7	87.2	87.5	87.6	87.7	87.8	87.8	87.9	87.9	87.9	88.1
≥ 1000	35.6	80.2	83.0	85.3	87.1	87.7	88.2	88.4	88.5	88.7	88.8	88.8	88.9	88.9	89.0	89.1
≥ 900	35.6	80.4	83.4	85.8	87.6	88.2	88.7	89.1	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.8
≥ 800	35.6	80.6	83.7	86.4	88.3	89.1	89.7	90.1	90.2	90.4	90.6	90.6	90.7	90.7	90.7	90.9
≥ 700	35.7	80.8	84.1	86.8	88.9	89.7	90.3	90.7	90.9	91.1	91.3	91.3	91.4	91.5	91.5	91.6
≥ 600	35.7	81.0	84.4	87.5	90.1	91.0	91.6	92.1	92.2	92.5	92.7	92.8	92.9	92.9	92.9	93.1
≥ 500	35.7	81.1	84.5	87.9	90.9	91.9	92.8	93.3	93.5	93.8	94.0	94.2	94.2	94.3	94.3	94.5
≥ 400	35.7	81.1	84.6	88.1	91.5	92.6	93.6	94.6	95.0	95.3	95.5	95.7	95.8	96.0	96.0	96.2
≥ 300	35.7	81.1	84.6	88.2	91.7	92.9	94.2	95.7	96.2	96.7	97.0	97.2	97.3	97.7	97.8	98.0
≥ 200	35.7	81.1	84.6	88.2	91.7	93.0	94.3	95.8	96.4	97.0	97.2	97.4	97.5	98.5	98.7	99.0
≥ 100	35.7	81.1	84.6	88.2	91.7	93.0	94.3	95.9	96.4	97.1	97.3	97.5	97.6	98.7	99.1	99.6
≥ 0	35.7	81.1	84.6	88.2	91.7	93.0	94.3	95.9	96.5	97.2	97.4	97.6	97.7	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 8-70, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.1	57.2	59.2	59.3	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	28.7	62.2	64.2	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 18000	28.7	62.2	64.2	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 16000	28.7	62.2	64.2	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 14000	28.7	62.3	64.3	64.4	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	29.1	63.4	65.4	65.5	65.8	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
≥ 10000	30.4	66.7	68.7	68.8	69.1	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	30.5	66.9	68.9	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6
≥ 8000	32.5	69.5	71.5	71.6	72.1	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	33.5	70.7	72.7	72.8	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 6000	33.9	72.6	74.8	74.9	75.4	75.5	75.5	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	34.4	73.9	76.1	76.2	76.7	76.8	76.8	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.3
≥ 4500	34.4	74.0	76.4	76.7	77.3	77.4	77.4	77.4	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.9
≥ 4000	34.9	77.0	79.6	79.9	80.7	80.9	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.3
≥ 3500	35.1	77.8	80.5	81.0	81.8	81.9	81.9	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.4
≥ 3000	35.3	78.9	82.7	83.2	84.0	84.2	84.3	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.8
≥ 2500	35.6	80.3	83.1	83.6	84.4	84.5	84.6	84.6	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.1
≥ 2000	35.7	80.9	83.8	84.3	85.2	85.3	85.5	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.9
≥ 1800	35.7	81.2	84.2	84.6	85.6	85.7	85.8	85.8	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.3
≥ 1500	36.2	82.4	85.3	85.8	86.8	86.9	87.0	87.1	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.6
≥ 1200	36.2	82.7	85.8	86.4	87.6	87.7	87.8	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.4
≥ 1000	36.2	83.0	86.1	86.8	87.9	88.1	88.2	88.3	88.4	88.4	88.5	88.5	88.8	88.8	88.8	89.0
≥ 900	36.3	83.3	86.5	87.5	89.0	89.1	89.2	89.4	89.5	89.5	89.6	89.6	89.8	89.8	89.8	90.1
≥ 800	36.3	83.5	86.9	88.3	90.0	90.1	90.2	90.3	90.4	90.4	90.5	90.5	90.8	90.8	90.8	91.0
≥ 700	36.5	83.9	87.5	89.0	90.9	91.0	91.1	91.5	91.6	91.6	91.8	91.8	92.1	92.1	92.1	92.3
≥ 600	36.5	84.0	87.6	89.4	91.4	91.5	91.8	92.2	92.3	92.3	92.7	92.8	93.0	93.0	93.0	93.3
≥ 500	36.5	84.2	87.7	89.5	92.4	92.6	93.0	93.4	93.5	93.5	93.9	94.0	94.2	94.2	94.2	94.4
≥ 400	36.5	84.2	87.7	89.7	93.1	93.3	93.9	94.4	94.8	94.8	95.4	95.5	95.7	95.7	95.7	96.0
≥ 300	36.5	84.2	87.7	89.7	93.3	93.4	94.1	94.9	95.4	95.5	96.2	96.3	96.6	96.6	96.6	96.8
≥ 200	36.5	84.2	87.7	89.7	93.3	93.4	94.1	94.9	95.6	95.9	96.8	96.9	97.4	97.4	97.5	98.0
≥ 100	36.5	84.2	87.7	89.7	93.3	93.4	94.1	94.9	95.6	96.0	97.0	97.4	97.9	97.9	98.1	99.3
0	36.5	84.2	87.7	89.7	93.3	93.4	94.1	94.9	95.6	96.0	97.0	97.4	98.0	98.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	22.6	55.1	56.4	57.3	57.9	57.9	58.0	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	24.9	58.1	60.5	61.5	62.2	62.2	62.3	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	24.9	59.1	60.5	61.5	62.2	62.2	62.3	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	25.1	59.2	60.6	61.6	62.3	62.3	62.4	62.5	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8
≥ 14000	25.7	60.0	61.5	62.4	63.1	63.1	63.2	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6
≥ 12000	26.4	61.1	62.5	63.5	64.2	64.2	64.3	64.4	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	27.2	65.7	66.9	67.8	68.7	68.7	68.9	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	27.3	65.6	67.3	68.2	69.0	69.0	69.3	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000	29.9	68.8	70.4	71.4	72.2	72.2	72.5	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	30.7	70.7	72.5	73.4	74.2	74.2	74.5	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	31.1	72.6	74.3	75.3	76.1	76.1	76.4	76.6	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	31.2	73.2	75.1	76.0	76.8	76.8	77.1	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	31.2	73.8	75.8	76.7	77.7	77.7	77.9	78.1	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4000	31.4	75.7	77.7	78.7	79.7	79.7	79.9	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3500	31.7	76.2	78.4	79.4	80.4	80.4	80.6	80.9	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	32.2	78.5	80.9	81.9	82.9	82.9	83.1	83.3	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	32.3	79.0	81.3	82.4	83.5	83.5	83.7	84.0	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	32.7	79.9	82.4	83.6	84.8	84.8	85.0	85.3	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	32.7	79.9	82.4	83.6	84.8	84.8	85.0	85.3	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1500	32.9	80.9	83.5	85.0	86.4	86.5	86.8	87.1	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1200	33.1	81.2	83.9	85.6	87.4	87.6	87.9	88.3	88.3	88.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	33.1	81.3	84.2	86.1	88.2	88.4	88.8	89.2	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥ 900	33.1	81.3	84.2	86.1	88.3	88.5	88.9	89.4	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	33.1	81.8	84.8	86.6	89.2	89.5	89.8	90.3	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700	33.2	82.2	85.1	87.0	89.7	90.1	90.4	90.9	90.9	91.0	91.4	91.4	91.4	91.4	91.4	91.4
≥ 600	33.2	82.3	85.2	87.1	90.0	90.3	91.1	91.7	91.7	91.8	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	33.3	82.7	85.7	87.6	90.5	90.9	92.3	92.9	93.0	93.1	93.5	93.5	93.5	93.5	93.5	93.5
≥ 400	33.3	82.7	85.7	87.6	90.7	91.1	92.7	93.3	93.5	93.6	94.1	94.1	94.1	94.1	94.1	94.1
≥ 300	33.3	82.7	85.7	87.6	90.7	91.3	92.9	93.6	94.1	94.3	95.3	95.3	95.4	95.5	95.5	95.5
≥ 200	33.3	82.7	85.7	87.6	90.7	91.3	93.0	93.7	94.2	94.6	95.6	95.7	96.3	96.5	96.7	96.7
≥ 100	33.3	82.7	85.7	87.6	90.7	91.3	93.0	93.7	94.2	94.6	95.6	95.9	96.6	96.7	97.2	98.7
≥ 0	33.3	82.7	85.7	87.6	90.7	91.3	93.0	93.7	94.2	94.6	95.6	95.9	96.6	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 8-70, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0800 (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	19.3	50.8	52.8	54.3	54.5	54.5	54.6	54.7	54.7	55.0	55.0	55.0	55.1	55.1	55.1	55.2
≥ 20000	20.9	54.5	57.0	58.6	59.1	59.1	59.2	59.3	59.3	59.6	59.6	59.6	59.7	59.7	59.8	59.9
≥ 18000	20.9	54.5	57.0	58.6	59.1	59.1	59.2	59.3	59.3	59.6	59.6	59.6	59.7	59.7	59.8	59.9
≥ 16000	20.9	54.5	57.0	58.6	59.1	59.1	59.2	59.3	59.3	59.6	59.6	59.6	59.7	59.7	59.8	59.9
≥ 14000	21.5	55.6	58.0	59.7	60.2	60.2	60.3	60.4	60.4	60.6	60.6	60.6	60.8	60.8	60.9	61.0
≥ 12000	22.1	56.6	59.1	60.8	61.4	61.5	61.6	61.7	61.7	61.9	61.9	61.9	62.1	62.1	62.2	62.3
≥ 10000	22.9	60.5	63.2	65.1	65.8	65.8	66.0	66.2	66.2	66.5	66.5	66.5	66.7	66.7	66.8	66.9
≥ 9000	22.9	60.8	63.5	65.4	66.1	66.1	66.2	66.4	66.4	66.8	66.8	66.8	66.9	66.9	67.0	67.1
≥ 8000	24.5	64.3	67.3	69.1	69.9	69.9	70.0	70.2	70.2	70.6	70.6	70.6	70.7	70.7	70.8	70.9
≥ 7000	25.7	65.8	69.1	71.2	71.9	71.9	72.2	72.5	72.5	72.8	72.8	72.8	72.9	72.9	73.0	73.2
≥ 6000	26.1	67.5	70.8	72.8	73.5	73.5	73.9	74.1	74.1	74.5	74.5	74.5	74.6	74.6	74.7	74.8
≥ 5000	26.2	68.2	71.7	73.8	74.6	74.7	75.3	75.5	75.5	75.9	76.0	76.0	76.1	76.1	76.2	76.4
≥ 4500	26.2	69.3	72.8	74.8	75.7	75.8	76.4	76.6	76.6	77.0	77.1	77.1	77.2	77.2	77.3	77.4
≥ 4000	26.4	71.0	74.6	76.7	77.5	77.7	78.3	78.7	78.7	79.1	79.2	79.2	79.3	79.3	79.4	79.6
≥ 3500	26.5	71.7	75.4	77.5	78.5	78.6	79.3	79.8	79.8	80.1	80.3	80.3	80.4	80.4	80.5	80.6
≥ 3000	27.0	73.6	77.8	80.0	81.2	81.3	82.0	82.6	82.6	83.0	83.1	83.1	83.2	83.2	83.3	83.5
≥ 2500	27.0	74.0	78.1	80.5	81.7	81.8	82.5	83.1	83.1	83.5	83.6	83.6	83.7	83.7	83.8	83.9
≥ 2000	27.2	74.3	78.6	81.4	82.6	82.7	83.6	84.2	84.2	84.5	84.6	84.6	84.8	84.8	84.9	85.0
≥ 1800	27.2	74.8	79.1	81.9	83.1	83.2	84.0	84.6	84.6	85.0	85.1	85.1	85.2	85.2	85.3	85.5
≥ 1500	27.2	74.9	79.3	82.2	83.6	83.7	84.5	85.3	85.3	85.7	85.8	85.8	85.9	85.9	86.1	86.2
≥ 1200	27.2	75.3	79.8	82.7	84.2	84.3	85.1	85.9	85.9	86.3	86.4	86.4	86.5	86.5	86.6	86.8
≥ 1000	27.4	75.7	80.4	83.3	85.1	85.3	86.3	87.2	87.2	87.6	87.7	87.7	88.1	88.1	88.2	88.3
≥ 900	27.4	76.0	80.7	83.8	85.7	85.9	87.0	87.9	87.9	88.3	88.4	88.4	88.8	88.8	88.9	89.0
≥ 800	27.4	76.2	81.0	84.2	86.5	86.8	88.1	89.0	89.0	89.4	89.5	89.5	89.8	89.8	90.0	90.1
≥ 700	27.4	76.4	81.1	84.3	86.6	87.0	88.4	89.6	89.7	90.1	90.2	90.2	90.5	90.5	90.7	90.8
≥ 600	27.4	76.4	81.1	84.5	87.0	87.5	88.9	90.1	90.2	90.5	90.7	90.7	91.0	91.0	91.1	91.3
≥ 500	27.4	76.4	81.1	85.0	87.9	88.4	90.0	91.4	91.5	92.1	92.4	92.4	92.8	92.8	92.9	93.0
≥ 400	27.4	76.6	81.3	85.5	88.4	88.9	90.5	92.1	92.3	93.1	93.6	93.6	94.0	94.0	94.1	94.2
≥ 300	27.4	76.6	81.3	85.5	88.7	89.2	91.4	93.0	93.5	94.7	95.4	95.4	95.7	95.7	96.1	96.3
≥ 200	27.4	76.6	81.3	85.5	88.7	89.2	91.6	93.4	93.9	95.0	96.2	96.2	96.7	96.8	97.3	97.5
≥ 100	27.4	76.6	81.3	85.5	88.7	89.2	91.6	93.4	93.9	95.0	96.7	96.8	97.6	97.9	98.5	99.4
0	27.4	76.6	81.3	85.5	88.7	89.2	91.6	93.4	93.9	95.0	96.7	96.8	97.8	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 58-70, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0200-1100 (HOURS LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	23.5	54.6	55.8	56.1	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	25.5	59.0	60.2	61.0	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 18000	25.5	59.1	60.3	61.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	25.5	59.1	60.3	61.1	61.2	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	25.5	59.2	60.4	61.2	61.3	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	26.1	60.5	61.9	62.8	62.9	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000	26.6	63.7	65.7	66.8	67.0	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000	26.6	64.1	66.1	67.1	67.4	67.7	67.7	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	28.0	66.7	69.0	70.1	70.4	70.8	70.9	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2
≥ 7000	28.3	68.0	70.6	71.7	72.3	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0
≥ 6000	28.5	68.9	71.5	72.7	73.3	73.6	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	29.1	70.2	72.9	74.1	75.1	75.4	76.1	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4
≥ 4500	29.1	70.8	73.5	74.7	75.7	76.0	76.7	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	29.1	72.6	75.4	76.6	77.7	78.0	78.8	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	29.4	74.0	76.8	78.0	79.1	79.4	80.3	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000	29.8	75.3	78.5	80.4	81.8	82.4	83.3	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	29.8	75.4	78.6	80.5	81.9	82.5	83.5	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	29.9	76.1	79.4	81.4	82.9	83.5	84.5	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	29.9	76.4	79.7	81.7	83.1	83.7	84.8	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1500	29.9	76.7	80.3	82.3	83.7	84.3	85.3	86.1	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1200	29.9	77.2	80.7	83.0	84.4	85.0	86.1	86.9	86.9	87.0	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000	29.9	77.7	81.2	83.5	85.1	85.7	86.9	87.7	87.7	87.8	88.3	88.3	88.3	88.3	88.3	88.3
≥ 900	29.9	77.8	81.3	83.7	85.7	86.3	87.5	88.3	88.3	88.5	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	29.9	77.9	81.6	84.0	86.3	86.9	88.2	89.0	89.0	89.2	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	29.9	77.9	81.7	84.6	87.2	87.9	89.2	90.4	90.5	90.8	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	29.9	77.9	81.7	84.8	87.6	88.5	90.0	91.1	91.3	91.5	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	29.9	77.9	81.7	84.8	87.9	89.0	90.8	92.2	92.4	92.9	93.7	93.7	93.7	93.7	93.7	93.7
≥ 400	29.9	77.9	81.7	84.8	87.9	89.2	91.3	92.9	93.4	93.9	94.7	94.8	94.9	94.9	94.9	94.9
≥ 300	29.9	77.9	81.7	84.8	87.9	89.4	91.5	93.6	94.6	95.3	96.3	96.5	96.7	96.7	96.8	96.8
≥ 200	29.9	77.9	81.7	84.8	87.9	89.5	92.0	94.2	95.2	96.0	97.2	97.3	97.6	97.8	98.1	98.2
≥ 100	29.9	77.9	81.7	84.8	87.9	89.5	92.0	94.2	95.2	96.0	97.2	97.4	97.9	98.0	98.7	99.5
≥ 0	29.9	77.9	81.7	84.8	87.9	89.5	92.0	94.2	95.2	96.0	97.2	97.4	97.9	98.0	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	24.2	52.8	53.8	54.3	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	27.3	57.9	59.2	59.8	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 18000	27.5	58.2	59.5	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000	27.8	58.4	59.7	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 14000	28.0	59.0	60.3	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 12000	28.3	60.5	61.8	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 10000	29.4	63.8	65.1	65.8	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 9000	29.4	63.9	65.2	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	30.4	67.4	69.3	70.2	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000	30.9	69.7	71.7	72.7	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	31.1	70.8	72.9	73.9	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 5000	31.8	72.6	74.7	75.8	76.1	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500	31.8	72.9	75.1	76.1	76.5	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	32.0	74.8	77.1	78.3	78.6	78.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3500	32.6	75.7	77.9	79.1	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	32.6	77.1	79.9	81.3	81.8	81.9	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	32.7	77.7	80.5	81.9	82.5	82.6	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	32.9	79.1	81.9	83.5	84.0	84.2	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800	32.9	79.3	82.2	83.8	84.4	84.5	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	32.9	79.7	82.9	84.5	85.2	85.6	86.1	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	32.9	80.5	83.7	85.6	86.3	86.8	87.7	87.9	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3
≥ 1000	33.0	80.9	84.2	86.6	87.6	88.2	89.1	89.4	89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.8
≥ 900	33.0	80.9	84.4	87.0	88.2	88.9	90.0	90.3	90.4	90.5	90.7	90.8	90.8	90.8	90.8	90.8
≥ 800	33.1	81.0	84.9	88.1	89.4	90.4	91.8	92.2	92.3	92.6	92.8	92.9	92.9	92.9	92.9	92.9
≥ 700	33.1	81.0	85.0	88.2	89.6	90.7	92.1	92.6	92.7	92.9	93.3	93.4	93.4	93.4	93.4	93.4
≥ 600	33.1	81.1	85.3	88.5	90.2	91.4	92.8	93.5	93.6	94.0	94.3	94.4	94.4	94.4	94.4	94.4
≥ 500	33.1	81.1	85.3	88.7	90.4	91.8	93.4	94.2	94.4	95.2	95.6	96.1	96.1	96.2	96.2	96.2
≥ 400	33.1	81.1	85.3	88.7	90.4	91.8	93.4	94.2	94.6	95.5	96.0	96.5	96.5	96.6	96.6	96.6
≥ 300	33.1	81.1	85.5	88.8	90.8	92.3	93.9	95.2	95.5	96.8	97.4	97.9	98.0	98.1	98.2	98.2
≥ 200	33.1	81.1	85.5	88.8	90.8	92.4	94.0	95.4	95.7	97.2	97.8	98.3	98.6	98.8	99.2	99.5
≥ 100	33.1	81.1	85.5	88.8	90.8	92.4	94.0	95.4	95.7	97.2	97.8	98.3	98.6	98.8	99.4	99.8
0	33.1	81.1	85.5	88.8	90.8	92.4	94.0	95.4	95.7	97.2	97.8	98.3	98.6	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	24.1	52.1	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	26.5	58.7	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 18000	28.5	58.7	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 16000	28.6	58.9	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	29.0	60.0	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	29.1	62.5	64.5	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	29.9	65.7	67.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	29.9	65.7	67.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	30.6	68.1	70.4	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	31.1	70.4	72.9	73.4	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	31.2	71.4	74.0	74.5	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 5000	32.0	74.0	76.7	77.7	78.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	32.2	74.2	77.1	78.3	78.8	78.8	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000	32.3	76.7	79.6	80.9	81.7	81.7	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	32.4	77.1	79.9	81.2	82.0	82.0	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3000	32.7	77.9	81.0	82.4	83.3	83.3	83.6	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2500	32.7	78.5	81.8	83.2	84.2	84.2	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	32.9	80.0	83.6	85.1	86.3	86.3	86.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1800	33.0	80.1	83.8	85.3	86.5	86.5	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500	33.0	81.0	84.8	86.4	87.8	87.9	88.2	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	33.0	81.0	84.8	86.5	88.1	88.2	88.4	88.5	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1000	33.0	81.1	85.2	87.2	88.9	89.0	89.4	89.5	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 900	33.0	81.1	85.6	87.8	89.8	90.0	90.3	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	33.1	81.2	85.7	88.4	90.5	90.9	91.6	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 700	33.1	81.2	85.7	88.4	90.7	91.0	92.2	92.4	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	33.1	81.2	85.7	88.4	90.9	91.3	92.4	92.7	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 500	33.1	81.2	85.7	88.4	91.1	91.7	92.9	93.5	94.0	94.6	94.7	94.9	94.9	94.9	94.9	94.9
≥ 400	33.1	81.2	85.7	88.4	91.1	91.7	93.1	93.9	95.0	95.7	95.9	96.1	96.2	96.2	96.2	96.2
≥ 300	33.1	81.2	85.7	88.4	91.1	91.7	93.4	94.4	95.7	96.5	96.8	97.0	97.4	97.4	97.4	97.5
≥ 200	33.1	81.2	85.7	88.4	91.1	92.0	93.7	94.9	96.2	97.0	97.6	97.9	98.5	98.9	99.1	99.3
≥ 100	33.1	81.2	85.7	88.4	91.1	92.0	93.7	94.9	96.2	97.0	97.6	97.9	98.5	98.9	99.2	99.8
≥ 0	33.1	81.2	85.7	88.4	91.1	92.0	93.7	94.9	96.2	97.0	97.6	97.9	98.5	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	26.7	56.9	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9
≥ 20000	28.4	60.3	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3
≥ 18000	28.4	60.3	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3
≥ 16000	28.8	60.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7
≥ 14000	29.0	60.9	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9
≥ 12000	29.9	63.2	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.2	65.2
≥ 10000	30.6	66.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.7	69.7
≥ 9000	30.9	67.7	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4
≥ 8000	31.9	70.1	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9
≥ 7000	32.5	71.7	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5
≥ 6000	32.5	72.2	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4	75.4
≥ 5000	32.9	74.4	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8
≥ 4500	32.9	74.4	77.3	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0
≥ 4000	33.5	76.7	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8
≥ 3500	33.8	77.1	80.2	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3
≥ 3000	34.0	78.7	82.1	83.2	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2
≥ 2500	34.0	78.7	82.5	83.6	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
≥ 2000	34.1	79.4	83.4	85.0	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0
≥ 1800	34.1	79.5	83.5	85.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.3
≥ 1500	34.1	80.8	85.1	87.1	87.8	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6
≥ 1200	34.4	81.3	86.0	88.2	89.0	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8
≥ 1000	34.4	81.4	86.3	89.0	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 900	34.4	81.4	86.4	89.2	90.4	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2
≥ 800	34.4	81.5	86.5	89.7	90.9	91.6	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2
≥ 700	34.4	81.8	86.7	90.4	92.1	92.8	93.0	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7
≥ 600	34.4	81.8	86.7	90.4	92.3	93.0	93.2	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3
≥ 500	34.4	81.8	86.7	90.4	92.7	93.4	93.6	94.1	94.5	94.5	94.5	94.5	94.8	94.8	94.9	94.9
≥ 400	34.4	81.8	86.8	90.6	92.9	93.6	94.0	94.7	95.4	95.4	95.6	95.6	95.9	95.9	96.0	96.0
≥ 300	34.4	81.8	86.8	90.6	93.0	93.7	94.1	95.1	96.2	96.2	96.9	97.0	97.6	97.6	97.7	97.7
≥ 200	34.4	81.8	86.8	90.6	93.0	93.7	94.1	95.3	96.3	96.3	97.2	97.3	97.9	98.2	98.5	98.5
≥ 100	34.4	81.8	86.8	90.6	93.0	93.7	94.1	95.3	96.3	96.3	97.3	97.4	98.1	98.7	99.1	99.6
≥ 0	34.4	81.8	86.8	90.6	93.0	93.7	94.1	95.3	96.3	96.3	97.3	97.4	98.1	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 844

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	27.0	57.4	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	29.4	61.3	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	29.4	61.4	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	29.5	61.6	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	29.8	61.9	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 12000	30.4	63.7	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10000	31.8	67.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000	31.8	68.0	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 8000	33.6	70.8	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	33.8	71.4	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	34.2	73.4	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	34.3	74.3	76.0	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 4500	34.3	74.3	76.0	76.5	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
≥ 4000	35.5	76.9	78.9	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 3500	35.8	77.6	79.7	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3
≥ 3000	36.1	79.4	81.9	83.2	83.5	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2
≥ 2500	36.1	79.5	82.0	83.3	83.6	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3
≥ 2000	36.4	80.7	83.3	84.7	85.1	85.3	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.8	85.8
≥ 1800	36.4	80.9	83.5	84.9	85.3	85.5	85.6	85.8	85.8	85.9	85.9	85.9	85.9	85.9	86.0	86.0
≥ 1500	36.4	81.1	83.9	85.3	85.9	86.1	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	87.0	87.0
≥ 1200	36.9	82.1	85.1	86.7	87.5	87.8	88.1	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7
≥ 1000	36.9	82.6	85.5	87.3	88.1	88.5	88.8	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.4	89.4
≥ 900	36.9	82.6	85.5	87.5	88.4	88.7	89.1	89.4	89.6	89.8	89.9	89.9	89.9	89.9	90.0	90.0
≥ 800	36.9	82.6	85.5	87.8	89.0	89.3	89.7	90.0	90.2	90.4	90.5	90.5	90.5	90.5	90.6	90.6
≥ 700	36.9	82.9	85.9	88.4	89.8	90.5	90.9	91.2	91.3	91.7	91.8	91.8	91.8	91.8	91.9	91.9
≥ 600	36.9	83.2	86.2	89.0	90.7	91.8	92.3	92.6	92.8	93.1	93.2	93.2	93.2	93.2	93.4	93.4
≥ 500	36.9	83.3	86.4	89.6	91.9	93.1	93.7	94.1	94.2	94.7	94.8	94.8	94.9	94.9	95.0	95.0
≥ 400	36.9	83.3	86.4	89.6	92.1	93.4	94.0	94.5	94.7	95.1	95.7	95.7	95.8	95.8	96.0	96.0
≥ 300	36.9	83.4	86.6	89.9	92.5	93.8	94.4	95.0	95.3	96.3	96.9	96.9	97.0	97.2	97.3	97.3
≥ 200	36.9	83.4	86.6	89.9	92.5	93.8	94.7	95.3	95.8	96.9	97.7	97.7	97.9	98.0	98.3	98.3
≥ 100	36.9	83.4	86.6	89.9	92.5	93.8	94.7	95.3	95.8	96.9	97.7	97.7	98.1	98.2	98.6	98.9
≥ 0	36.9	83.4	86.6	89.9	92.5	93.8	94.7	95.3	95.8	96.9	97.7	97.7	98.1	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 843

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	24.1	54.6	56.1	56.0	56.0	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	26.7	59.1	60.8	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	26.7	59.2	60.9	61.5	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0
≥ 16000	26.9	59.3	61.0	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1
≥ 14000	27.1	59.9	61.6	62.1	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.7
≥ 12000	27.7	61.4	63.2	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	28.6	65.1	67.0	67.7	68.0	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.4
≥ 9000	28.7	65.3	67.3	68.0	68.3	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7
≥ 8000	30.2	68.2	70.4	71.1	71.5	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 7000	30.8	69.8	72.1	72.9	73.3	73.4	73.4	73.5	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	31.1	71.2	73.5	74.3	74.8	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.2
≥ 5000	31.5	72.6	75.1	75.9	76.5	76.6	76.8	76.9	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1
≥ 4500	31.5	73.0	75.5	76.4	77.0	77.1	77.4	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7
≥ 4000	31.9	75.2	77.8	78.9	79.6	79.7	79.9	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.3	80.3
≥ 3500	32.2	75.9	78.6	79.7	80.4	80.5	80.8	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.2
≥ 3000	32.5	77.5	80.6	81.9	82.8	83.0	83.3	83.5	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.8
≥ 2500	32.5	77.9	81.0	82.4	83.2	83.4	83.8	84.0	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.3
≥ 2000	32.7	78.8	82.0	83.6	84.5	84.7	85.1	85.3	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.7
≥ 1800	32.7	79.0	82.3	83.9	84.8	85.0	85.4	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.9	85.9
≥ 1500	32.8	79.7	83.1	84.8	85.9	86.2	86.6	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.3	87.3
≥ 1200	32.9	80.2	83.7	85.6	86.8	87.1	87.6	88.0	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.4
≥ 1000	33.0	80.4	84.1	86.2	87.6	87.9	88.5	88.9	88.9	89.1	89.2	89.2	89.3	89.3	89.3	89.4
≥ 900	33.0	80.5	84.3	86.6	88.2	88.6	89.1	89.5	89.6	89.8	89.9	89.9	90.0	90.0	90.0	90.1
≥ 800	33.0	80.7	84.6	87.1	89.0	89.4	90.1	90.6	90.6	90.8	91.0	91.0	91.1	91.1	91.1	91.2
≥ 700	33.1	80.9	84.8	87.5	89.6	90.1	90.9	91.5	91.6	91.9	92.1	92.1	92.2	92.2	92.2	92.3
≥ 600	33.1	81.0	84.9	87.8	90.0	90.7	91.6	92.2	92.4	92.6	92.9	92.9	93.0	93.0	93.0	93.1
≥ 500	33.1	81.1	85.0	88.0	90.6	91.4	92.5	93.2	93.4	93.8	94.1	94.2	94.4	94.4	94.4	94.5
≥ 400	33.1	81.1	85.1	88.1	90.8	91.6	92.8	93.7	94.2	94.6	95.1	95.2	95.4	95.4	95.4	95.5
≥ 300	33.1	81.1	85.1	88.2	91.0	91.9	93.2	94.4	95.0	95.7	96.4	96.5	96.8	96.9	97.0	97.0
≥ 200	33.1	81.1	85.1	88.2	91.0	91.9	93.4	94.6	95.4	96.1	97.0	97.2	97.6	97.8	98.1	98.3
≥ 100	33.1	81.1	85.1	88.2	91.0	91.9	93.4	94.6	95.4	96.1	97.1	97.4	97.9	98.1	98.6	99.4
0	33.1	81.1	85.1	88.2	91.0	91.9	93.4	94.6	95.4	96.1	97.1	97.4	97.9	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6763

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13707 (STATION) LANGLEY AFB, VA (STATION NAME) 07-70, 73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	20.9	56.2	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	22.3	58.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	22.3	58.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	22.3	58.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	22.3	58.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 12000	22.6	60.2	61.5	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000	23.8	62.6	64.0	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
> 9000	24.0	63.0	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 8000	25.6	68.1	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 7000	25.8	69.2	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	25.8	70.0	71.9	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
> 5000	26.7	72.5	74.7	74.9	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500	26.7	72.6	74.8	75.1	75.1	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	27.3	75.9	78.5	78.8	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	27.4	77.2	79.9	80.3	80.4	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000	27.7	78.4	81.1	81.5	81.7	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	27.7	78.6	81.3	81.7	82.2	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2000	28.0	79.7	83.1	84.1	84.5	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	28.0	79.8	83.2	84.2	84.6	84.6	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	28.3	81.0	84.6	85.6	86.1	86.2	86.6	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200	28.5	81.5	85.6	86.9	87.4	87.5	87.8	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	28.7	81.7	85.9	87.4	88.1	88.3	88.6	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	28.8	81.9	86.1	87.7	88.6	88.8	89.1	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	28.8	82.2	86.3	88.2	89.2	89.6	89.9	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700	28.8	82.3	86.6	88.6	90.2	90.8	91.1	91.4	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	28.8	82.8	87.1	89.1	91.1	91.7	92.0	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	28.8	83.3	87.7	90.0	92.4	93.1	93.8	94.5	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9
≥ 400	28.8	83.3	87.7	90.0	92.8	93.5	94.7	95.5	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9
≥ 300	28.8	83.3	87.7	90.1	92.9	93.7	94.8	95.8	96.1	96.1	96.6	96.6	96.7	96.7	96.8	96.8
≥ 200	28.8	83.3	87.7	90.1	92.9	93.7	94.8	95.8	96.1	96.1	96.6	96.9	97.4	97.4	97.5	97.8
≥ 100	28.8	83.3	87.7	90.1	92.9	93.7	94.8	95.8	96.1	96.1	96.6	97.0	97.5	97.5	97.6	98.5
≥ 0	28.8	83.3	87.7	90.1	92.9	93.7	94.8	95.8	96.1	96.1	96.6	97.0	97.8	98.1	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	17.3	54.4	55.3	55.8	55.8	55.8	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.2	56.2
≥ 20000	19.4	57.4	58.4	59.0	59.0	59.0	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5
≥ 18000	19.4	57.4	58.4	59.0	59.0	59.0	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5
≥ 16000	19.4	57.6	58.6	59.2	59.2	59.2	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7
≥ 14000	19.4	57.6	58.6	59.2	59.2	59.2	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7
≥ 12000	19.7	58.5	59.6	60.2	60.2	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6
≥ 10000	20.9	61.5	62.7	63.3	63.3	63.3	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.8	63.8
≥ 9000	21.1	61.7	62.9	63.5	63.5	63.5	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	64.0	64.0
≥ 8000	23.0	65.7	67.4	68.2	68.2	68.2	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.6
≥ 7000	23.2	66.7	68.4	69.1	69.1	69.1	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.6
≥ 6000	23.2	67.3	69.2	70.0	70.0	70.0	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4
≥ 5000	24.1	69.9	72.5	73.3	73.3	73.3	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.8	73.9
≥ 4500	24.1	70.3	72.9	74.0	74.0	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.4	74.5
≥ 4000	24.6	72.4	75.4	76.5	76.5	76.7	76.8	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.2	77.3
≥ 3500	24.8	73.2	76.2	77.5	77.5	77.7	77.8	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.3	78.4
≥ 3000	25.1	73.9	77.2	78.5	78.6	78.8	78.9	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.4	79.5
≥ 2500	25.1	74.8	78.2	79.6	79.8	80.0	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.5	80.6
≥ 2000	25.5	76.3	79.9	81.3	81.7	81.9	82.0	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.5	82.6
≥ 1800	25.5	76.7	80.2	81.6	82.0	82.3	82.4	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.8	82.9
≥ 1500	25.6	77.8	81.5	83.0	83.4	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.2	84.3
≥ 1200	26.3	79.2	83.0	84.8	85.3	85.5	85.6	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.2	86.3
≥ 1000	26.7	79.9	83.8	85.6	86.0	86.2	86.5	86.7	86.7	87.0	87.2	87.2	87.2	87.2	87.3	87.4
≥ 900	26.7	80.2	84.1	85.9	86.6	86.8	87.1	87.3	87.3	87.6	87.8	87.8	87.8	87.8	88.0	88.1
≥ 800	26.7	80.4	84.3	86.3	87.0	87.3	87.6	88.0	88.0	88.3	88.6	88.6	88.6	88.6	88.7	88.8
≥ 700	26.7	80.6	84.7	86.9	87.5	87.8	88.2	88.5	88.5	89.1	89.6	89.6	89.6	89.6	89.7	89.8
≥ 600	26.7	80.9	84.9	87.2	88.1	88.5	89.0	89.5	89.5	90.1	90.6	90.6	90.6	90.6	90.8	91.0
≥ 500	26.7	81.3	85.6	88.2	89.5	90.2	90.8	91.4	91.5	92.2	92.7	92.7	92.7	92.7	92.8	93.0
≥ 400	26.7	81.4	85.9	88.8	90.6	91.5	92.3	92.9	93.0	93.7	94.2	94.2	94.2	94.2	96.3	94.5
≥ 300	26.7	81.4	85.9	88.8	90.8	91.8	92.6	93.3	93.4	94.2	94.9	94.9	94.9	94.9	95.1	95.4
≥ 200	26.7	81.4	85.9	88.8	90.8	92.0	92.8	93.7	94.0	94.8	95.9	96.0	96.2	96.2	96.5	96.8
≥ 100	26.7	81.4	85.9	88.8	90.8	92.0	92.8	93.7	94.0	94.9	96.0	96.2	96.8	96.9	97.2	99.0
≥ 0	26.7	81.4	85.9	88.8	90.8	92.0	92.8	93.7	94.0	94.9	96.0	96.2	96.8	96.9	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	14.5	45.8	48.6	49.8	50.4	50.6	50.8	51.0	51.1	51.2	51.3	51.3	51.4	51.5	51.5	51.6
≥ 20000	16.0	48.6	51.6	52.8	53.4	53.7	53.9	54.1	54.2	54.3	54.4	54.4	54.5	54.6	54.6	54.7
≥ 18000	16.0	48.8	51.8	53.0	53.7	53.9	54.1	54.3	54.4	54.5	54.6	54.6	54.7	54.8	54.8	54.9
≥ 16000	16.0	48.9	51.9	53.1	53.8	54.0	54.2	54.4	54.5	54.6	54.7	54.7	54.8	54.9	54.9	55.1
≥ 14000	16.2	49.5	52.5	53.7	54.3	54.5	54.7	54.9	55.1	55.2	55.3	55.3	55.4	55.5	55.5	55.6
≥ 12000	16.7	51.2	54.3	55.5	56.1	56.3	56.6	56.8	56.9	57.0	57.1	57.1	57.2	57.3	57.3	57.4
≥ 10000	17.3	53.8	57.0	58.2	58.9	59.1	59.4	59.6	59.7	59.9	60.0	60.0	60.1	60.2	60.2	60.4
≥ 9000	17.3	54.1	57.3	58.6	59.2	59.5	59.7	59.9	60.0	60.2	60.3	60.3	60.4	60.5	60.5	60.8
≥ 8000	18.4	57.1	60.4	61.9	62.6	62.8	63.1	63.3	63.4	63.7	63.8	63.8	63.9	64.0	64.0	64.2
≥ 7000	18.7	58.1	61.6	63.5	64.2	64.4	64.7	64.9	65.1	65.3	65.4	65.4	65.5	65.6	65.6	65.8
≥ 6000	18.7	59.4	63.2	65.4	66.0	66.2	66.6	66.8	66.9	67.1	67.2	67.2	67.3	67.4	67.4	67.6
≥ 5000	19.5	61.2	65.3	67.7	68.4	68.6	68.9	69.1	69.2	69.5	69.6	69.6	69.7	69.8	69.8	70.0
≥ 4500	19.5	61.8	65.9	68.5	69.1	69.4	69.7	69.9	70.0	70.2	70.3	70.3	70.4	70.5	70.5	70.8
≥ 4000	19.9	63.7	68.2	71.0	71.6	71.8	72.3	72.6	72.7	72.9	73.0	73.1	73.3	73.4	73.4	73.7
≥ 3500	19.9	63.9	68.4	71.2	71.8	72.0	72.5	72.8	72.9	73.1	73.4	73.5	73.8	73.9	73.9	74.1
≥ 3000	20.0	64.9	69.7	72.9	73.8	74.0	74.4	74.7	74.9	75.2	75.5	75.6	75.8	75.9	75.9	76.1
≥ 2500	20.0	65.6	70.3	73.7	74.5	74.7	75.2	75.6	75.8	76.0	76.3	76.5	76.7	76.8	76.8	77.0
≥ 2000	20.1	66.6	71.6	75.5	76.7	76.9	77.3	77.7	78.1	78.3	78.6	78.7	79.0	79.1	79.1	79.4
≥ 1800	20.2	67.0	72.0	76.0	77.2	77.4	77.8	78.3	78.6	78.8	79.1	79.2	79.6	79.7	79.7	79.9
≥ 1500	20.5	68.0	73.1	77.1	78.5	78.7	79.1	79.6	79.9	80.1	80.4	80.5	80.9	81.0	81.0	81.2
≥ 1200	20.6	69.4	74.6	78.7	80.4	80.9	81.4	81.9	82.3	82.6	82.9	83.0	83.3	83.4	83.4	83.7
≥ 1000	20.6	69.9	75.4	79.7	81.6	82.2	82.8	83.4	83.8	84.2	84.6	84.8	85.2	85.3	85.3	85.5
≥ 900	20.6	70.1	75.8	80.2	82.3	82.8	83.5	84.3	84.6	85.1	85.5	85.7	86.0	86.1	86.1	86.3
≥ 800	20.6	70.5	76.3	81.0	83.0	83.5	84.4	85.4	85.8	86.2	86.7	86.9	87.3	87.4	87.4	87.6
≥ 700	20.6	70.6	76.6	81.7	84.1	84.7	85.9	87.0	87.6	88.1	88.5	88.7	89.1	89.2	89.2	89.5
≥ 600	20.6	70.8	76.7	82.0	84.4	85.4	86.8	88.0	88.7	89.1	89.7	89.9	90.3	90.4	90.4	90.6
≥ 500	20.6	71.0	77.0	82.7	85.2	86.2	88.0	89.2	90.2	91.0	91.5	91.7	92.2	92.3	92.3	92.5
≥ 400	20.6	71.1	77.4	83.2	85.8	87.0	88.9	90.4	91.4	92.2	92.8	93.0	93.4	93.5	93.5	93.8
≥ 300	20.6	71.1	77.4	83.2	85.9	87.2	89.4	91.1	92.6	93.3	94.2	94.4	94.9	95.1	95.1	95.5
≥ 200	20.6	71.1	77.4	83.2	85.9	87.2	89.4	91.5	93.2	94.0	95.2	95.4	96.3	96.7	97.0	97.6
≥ 100	20.6	71.1	77.4	83.2	85.9	87.2	89.4	91.5	93.2	94.0	95.3	95.6	96.8	97.1	98.0	99.1
≥ 0	20.6	71.1	77.4	83.2	85.9	87.2	89.4	91.5	93.2	94.0	95.3	95.6	96.8	97.1	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (C A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	17.8	48.4	49.9	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	19.9	52.7	54.3	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	20.0	52.8	54.4	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	20.0	52.8	54.4	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	20.5	53.7	55.3	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	20.9	55.3	57.1	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	21.6	58.8	61.0	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 9000	21.6	59.1	61.4	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	22.8	62.7	65.4	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	23.0	63.4	66.2	67.2	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	23.1	64.2	67.0	68.6	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	23.3	65.5	69.1	70.3	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	23.3	65.8	69.6	70.8	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	23.4	67.0	71.3	72.6	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3500	23.4	67.3	71.6	72.9	73.4	73.5	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3000	23.5	68.6	73.7	74.9	75.5	75.6	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	23.5	68.9	74.0	75.3	75.9	76.0	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	23.8	70.6	76.1	77.6	78.5	78.7	79.2	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1800	23.9	71.2	76.7	78.3	79.1	79.4	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1500	24.1	71.7	77.6	79.0	80.6	80.9	81.4	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1200	24.1	72.3	78.8	81.2	82.7	83.2	83.6	83.9	84.0	84.0	84.1	84.1	84.2	84.2	84.2	84.2
≥ 1000	24.1	73.2	79.8	82.4	84.1	84.7	85.3	85.4	85.6	85.6	85.8	85.8	85.9	85.9	85.9	85.9
≥ 900	24.1	73.3	80.2	82.9	84.6	85.3	85.8	85.9	86.1	86.1	86.3	86.3	86.5	86.5	86.5	86.5
≥ 800	24.1	73.5	80.5	83.7	85.5	86.1	86.7	86.9	87.1	87.1	87.3	87.3	87.4	87.4	87.4	87.4
≥ 700	24.1	73.9	81.1	84.3	86.3	87.1	87.8	88.2	88.4	88.4	88.6	88.6	88.8	88.8	88.8	88.8
≥ 600	24.1	74.0	81.3	85.2	87.6	88.5	89.6	90.1	90.3	90.5	90.9	90.9	91.1	91.1	91.1	91.1
≥ 500	24.1	74.0	81.3	85.4	88.1	88.9	90.1	91.0	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3
≥ 400	24.1	74.0	81.3	85.4	88.5	89.5	90.9	91.8	92.3	93.0	93.7	93.9	94.1	94.1	94.1	94.1
≥ 300	24.1	74.0	81.3	85.5	88.7	89.7	91.8	93.0	93.8	94.7	95.4	95.6	95.9	96.0	96.1	96.5
≥ 200	24.1	74.0	81.3	85.5	88.7	89.7	91.8	93.0	94.2	95.5	96.6	96.9	97.7	98.1	98.3	98.8
≥ 100	24.1	74.0	81.3	85.5	88.7	89.7	91.9	93.1	94.3	95.7	96.8	97.1	98.0	98.3	98.6	99.6
≥ 0	24.1	74.0	81.3	85.5	88.7	89.7	91.9	93.1	94.3	95.7	96.8	97.1	98.0	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	19.4	50.5	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	22.9	55.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 18000	22.9	56.0	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	23.0	56.2	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	23.7	57.4	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 12000	24.2	58.8	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	24.9	61.6	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	24.9	61.9	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	25.3	63.9	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 7000	25.3	64.4	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	25.3	65.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5	25.6	66.9	69.0	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4½	25.6	67.1	69.4	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	25.9	70.2	73.0	73.9	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	26.0	71.0	74.0	74.8	74.9	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3000	26.5	72.2	75.7	76.8	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	26.7	73.5	77.2	78.9	79.1	79.4	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	26.8	74.7	78.6	80.4	[illegible]	81.1	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	26.8	75.3	79.1	8[illegible]	[illegible].5	81.7	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	26.9	76.7	80.6	82.0	83.1	83.4	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1200	26.9	77.7	82.0	84.1	85.1	85.4	85.9	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	27.0	78.5	83.2	85.6	86.8	87.2	87.7	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 900	27.0	78.8	83.5	85.9	87.1	87.5	88.2	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	27.1	79.6	84.4	86.9	88.1	88.7	89.4	90.3	90.5	90.6	90.8	90.8	90.8	90.8	90.8
≥ 700	27.1	79.7	84.7	87.4	88.6	89.4	90.3	91.3	91.6	91.7	91.8	91.8	91.8	91.8	91.8
≥ 600	27.1	79.8	84.8	88.0	89.4	90.1	91.4	92.4	92.8	92.9	93.0	93.0	93.0	93.0	93.0
≥ 500	27.1	79.9	84.9	88.1	89.6	90.5	92.3	93.5	94.1	94.2	94.4	94.4	94.4	94.4	94.4
≥ 400	27.1	79.9	84.9	88.2	89.8	90.8	92.8	94.2	94.9	95.2	95.6	95.6	95.6	95.7	95.7
≥ 300	27.1	79.9	84.9	88.2	89.8	90.8	93.0	94.6	95.6	96.2	97.1	97.1	97.2	97.4	97.7
≥ 200	27.1	79.9	84.9	88.2	89.8	90.8	93.2	94.8	95.9	96.9	98.2	98.2	98.7	99.0	99.6
≥ 100	27.1	79.9	84.9	88.2	89.8	90.8	93.2	94.8	95.9	96.9	98.2	98.2	98.7	99.0	99.1	99.8
≥ 0	27.1	79.9	84.9	88.2	89.8	90.8	93.2	94.8	95.9	96.9	98.2	98.2	98.7	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 530

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13706 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥¼	≥0
NO CEILING	20.9	51.4	51.8	51.9	52.0	52.0	52.0	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	22.8	55.2	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	22.8	55.2	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	22.8	55.2	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	23.8	56.3	57.2	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6
≥ 12000	24.8	58.1	58.9	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	25.7	61.2	62.2	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	25.9	61.4	62.6	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0
≥ 8000	26.2	64.7	66.1	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
≥ 7000	26.5	66.5	68.3	68.5	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	26.5	67.7	69.4	69.6	69.9	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1
≥ 5000	26.7	69.2	71.6	71.8	72.2	72.2	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4500	26.7	69.7	72.2	72.4	72.7	72.8	72.9	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4000	27.4	73.2	75.8	76.0	76.3	76.5	76.7	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500	27.8	74.7	77.3	77.5	77.8	78.0	78.2	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	28.4	76.2	79.1	79.4	79.8	79.9	80.1	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2500	28.5	76.6	79.6	80.1	80.6	80.8	81.0	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2000	28.5	77.3	81.0	81.6	82.2	82.3	82.5	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	28.5	77.5	81.2	81.9	82.5	82.6	82.8	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	28.5	78.4	82.2	83.0	83.5	83.7	84.0	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1200	8.5	79.0	82.8	84.0	84.8	85.2	85.6	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
1000	28.1	79.6	83.4	84.8	85.8	86.2	86.8	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	28.7	80.0	83.9	85.6	86.3	86.8	87.4	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800	28.8	80.3	84.2	86.0	87.4	88.0	88.8	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	28.8	80.3	84.2	86.2	88.0	88.6	89.7	90.4	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	28.8	80.3	84.4	86.6	88.4	89.1	90.3	91.5	91.9	92.1	92.2	92.2	92.2	92.2	92.3	92.3
≥ 500	28.8	80.4	84.6	87.0	89.5	90.5	91.7	93.3	94.1	9	94.4	94.4	94.5	94.5	94.6	94.6
≥ 400	28.8	80.4	84.6	87.0	89.5	91.0	92.5	94.1	94.9	9	4	95.4	95.5	95.6	95.7	95.7
≥ 300	28.8	80.4	84.6	87.0	89.5	91.1	92.6	94.5	95.6	96.	.8	96.8	96.9	97.0	97.1	97.1
≥ 200	28.8	80.4	84.6	87.0	89.5	91.1	92.6	94.5	95.6	96.7	97.8	97.8	98.3	98.5	98.6	98.8
≥ 100	28.8	80.4	84.6	87.0	89.5	91.1	92.6	94.5	95.6	96.8	98.2	98.2	98.6	98.8	99.4	99.7
≥ 0	28.8	80.4	84.6	87.0	89.5	91.1	92.6	94.5	95.6	96.8	98.2	98.2	98.6	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥5/16	≥¼	≥0
NO CEILING	19.8	56.1	56.6	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	21.6	60.0	60.4	60.8	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	21.6	60.0	60.4	60.8	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	21.6	60.0	60.4	60.8	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	21.8	60.3	60.8	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	22.8	62.5	62.9	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	23.7	65.2	65.6	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
≥ 9000	23.7	65.2	65.7	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	24.8	68.7	69.2	69.7	69.7	69.7	69.7	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	25.4	69.5	70.9	71.7	71.7	71.8	71.8	71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	25.4	70.2	71.6	72.5	72.5	72.6	72.6	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	25.6	72.2	73.7	74.5	74.5	74.6	74.6	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4500	25.6	72.8	74.3	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4000	26.3	76.1	77.8	78.7	78.8	78.9	78.9	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	26.5	76.7	78.5	79.4	79.5	79.6	79.6	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	27.0	77.8	79.8	80.6	80.9	81.0	81.0	81.1	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	27.0	78.4	80.3	81.3	81.6	81.7	81.8	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	.2	79.4	81.6	82.7	83.1	83.2	83.3	83.4	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1800	27.2	79.6	81.8	82.9	83.3	83.5	83.7	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	27.3	80.3	82.6	83.7	84.2	84.5	84.6	84.7	84.7	84.7	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	27.3	81.6	84.2	85.8	86.7	87.1	87.3	87.5	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	27.3	82.0	84.6	86.7	87.8	88.3	88.5	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	27.3	82.3	84.8	87.0	88.3	88.8	89.1	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	27.3	82.5	85.2	87.4	88.9	89.5	89.8	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700	27.3	82.7	85.7	88.0	89.6	90.3	90.8	91.4	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8
≥ 600	27.3	82.7	85.7	88.2	90.4	91.3	91.7	92.5	92.6	92.6	93.0	93.0	93.0	93.0	93.1	93.1
≥ 500	27.3	82.8	85.8	88.6	91.0	91.9	92.4	93.7	93.8	93.9	94.3	94.3	94.3	94.3	94.4	94.4
≥ 400	27.3	82.8	85.8	88.6	91.0	91.9	92.7	94.2	94.4	94.7	95.3	95.3	95.3	95.3	95.4	95.4
≥ 300	27.3	82.8	85.8	88.6	91.1	92.3	93.0	94.7	95.1	95.6	96.5	96.6	96.7	96.8	96.9	96.9
≥ 200	27.3	82.8	85.8	88.6	91.1	92.3	93.2	95.2	95.7	96.3	97.6	97.7	98.1	98.3	98.6	98.6
≥ 100	27.3	82.8	85.8	88.6	91.1	92.3	93.2	95.2	95.7	96.3	98.0	98.1	98.6	98.9	99.4	99.5
≥ 0	27.3	82.8	85.8	88.6	91.1	92.3	93.2	95.2	95.7	96.3	98.0	98.1	98.6	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 73-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	≥0
NO CEILING	19.9	57.0	58.4	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	21.9	59.9	61.6	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 18000	21.9	59.9	61.6	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 16000	21.9	59.9	61.6	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 14000	21.9	60.0	61.7	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	22.7	61.7	63.4	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 10000	24.0	64.4	66.1	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 9000	24.1	64.7	66.5	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 8000	25.4	68.8	70.9	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	25.4	70.0	72.0	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000	25.5	70.6	72.7	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
5000	26.1	72.8	74.8	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
> 4500	26.1	72.9	74.9	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	26.9	76.1	78.6	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	27.0	77.0	79.5	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000	27.4	78.0	80.4	81.3	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	27.4	78.3	80.8	81.6	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	27.5	79.9	82.6	84.0	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	27.6	80.2	82.9	84.4	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	27.6	81.3	84.0	85.6	86.1	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	28.0	82.4	85.2	87.1	88.0	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	28.0	82.4	85.2	87.6	88.6	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
> 900	28.0	82.5	85.3	88.0	88.9	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	28.0	82.8	85.6	88.6	89.8	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 700	28.0	83.3	86.1	89.2	90.9	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 600	28.1	83.8	86.7	90.0	91.9	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
> 500	28.1	83.9	87.0	90.4	93.0	93.9	94.1	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
≥ 400	28.1	83.9	87.0	90.5	93.2	94.1	94.4	94.8	94.8	94.9	95.1	95.1	95.2	95.2	95.2	95.2
≥ 300	28.1	83.9	87.1	90.9	93.9	94.9	95.4	95.8	95.9	96.1	96.8	96.8	96.9	96.9	96.9	96.9
≥ 200	28.1	83.9	87.1	90.9	93.9	94.9	95.4	96.1	96.3	96.8	98.0	98.0	98.1	98.1	98.2	98.2
≥ 100	28.1	83.9	87.1	90.9	93.9	94.9	95.4	96.1	96.3	96.9	98.3	98.3	98.6	98.6	98.7	99.1
≥ 0	28.1	83.9	87.1	90.9	93.9	94.9	95.4	96.1	96.3	96.9	98.3	98.3	98.8	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

CEILING VERSUS VISIBILITY

13702 STATION — LANGLEY AFB, VA STATION NAME — 7-70, 73-78 YEARS — MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	18.6	52.5	53.7	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	20.8	56.0	57.4	57.8	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3
≥ 18000	20.9	56.1	57.5	57.9	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4
≥ 16000	20.9	56.2	57.6	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	21.2	56.7	58.1	58.5	58.7	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
≥ 12000	21.8	58.3	59.8	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	22.7	61.1	62.7	63.2	63.3	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.7
≥ 9000	22.8	61.4	63.1	63.5	63.7	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0
≥ 8000	23.9	64.9	66.9	67.4	67.6	67.6	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9
≥ 7000	24.2	66.0	68.1	68.8	69.0	69.0	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4
≥ 6000	24.2	66.8	69.2	69.9	70.1	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.5
≥ 5000	24.7	68.8	71.3	72.3	72.5	72.5	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.9
≥ 4500	24.7	69.1	71.7	72.7	72.9	73.0	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	25.2	71.8	74.8	75.9	76.1	76.3	76.4	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.8
≥ 3500	25.4	72.6	75.7	76.7	77.3	77.1	77.3	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.7
≥ 3000	25.7	73.8	77.1	78.2	78.6	78.7	78.9	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.4
≥ 2500	25.7	74.3	77.7	79.0	79.5	79.6	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3
≥ 2000	25.9	75.6	79.3	80.9	81.5	81.7	81.9	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.4	82.4
≥ 1800	26.0	75.9	79.7	81.3	81.9	82.1	82.3	82.5	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.9
≥ 1500	26.1	76.9	80.8	82.5	83.2	83.4	83.7	84.0	84.0	84.1	84.2	84.2	84.3	84.3	84.3	84.3
≥ 1200	26.3	77.9	82.0	84.1	85.0	85.4	85.7	86.0	86.1	86.2	86.3	86.3	86.4	86.4	86.4	86.5
≥ 1000	26.4	78.4	82.7	85.0	86.1	86.5	86.9	87.2	87.3	87.4	87.6	87.7	87.7	87.7	87.7	87.8
≥ 900	26.4	78.6	83.0	85.4	86.6	87.0	87.5	87.8	87.9	88.0	88.2	88.2	88.3	88.3	88.3	88.4
≥ 800	26.4	79.0	83.4	86.0	87.4	87.9	88.4	88.9	89.0	89.1	89.3	89.3	89.4	89.4	89.4	89.5
≥ 700	26.4	79.2	83.7	86.5	88.1	88.8	89.4	90.0	90.2	90.4	90.6	90.6	90.7	90.7	90.7	90.8
≥ 600	26.4	79.4	84.0	87.0	88.9	89.7	90.5	91.2	91.4	91.6	91.9	91.9	92.0	92.0	92.1	92.1
≥ 500	26.4	79.6	84.2	87.5	89.8	90.7	91.6	92.6	93.0	93.3	93.6	93.6	93.7	93.7	93.8	93.8
≥ 400	26.4	79.6	84.3	87.7	90.1	91.2	92.4	93.5	93.9	94.3	94.7	94.8	94.9	94.9	95.0	95.0
≥ 300	26.4	79.6	84.4	87.8	90.3	91.4	92.8	94.1	94.8	95.3	96.0	96.1	96.3	96.3	96.4	96.6
≥ 200	26.4	79.6	84.4	87.8	90.3	91.5	92.9	94.3	95.1	95.9	97.0	97.1	97.6	97.8	98.0	98.3
≥ 100	26.4	79.6	84.4	87.8	90.3	91.5	92.9	94.3	95.1	96.0	97.2	97.3	97.9	98.1	98.5	99.3
[illegible]	26.4	79.6	84.4	87.8	90.3	91.5	92.9	94.3	95.1	96.0	97.2	97.3	98.0	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13707 (STATION) LANGLEY AFB, VA (STATION NAME) (7-76, 73-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	25.7	65.2	65.8	66.1	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9
≥ 20000	27.6	70.0	70.6	70.9	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
≥ 18000	27.6	70.0	70.6	70.9	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
≥ 16000	27.7	70.1	70.7	71.0	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
≥ 14000	27.8	70.2	70.8	71.1	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥ 12000	28.0	71.2	71.8	72.1	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
≥ 10000	29.7	76.3	76.9	77.2	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0
≥ 9000	29.7	76.7	77.2	77.6	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3
≥ 8000	30.8	80.1	80.8	81.1	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	82.0
≥ 7000	30.9	81.3	82.0	82.3	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.2
≥ 6000	30.9	82.7	83.4	83.8	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.7
≥ 5000	30.9	84.1	84.9	85.2	85.7	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.1
≥ 4500	30.9	84.2	85.0	85.3	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.2
≥ 4000	31.1	85.8	86.7	87.0	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.9
≥ 3500	31.2	86.3	87.2	87.6	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.4
≥ 3000	31.7	87.3	88.3	88.8	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.7
≥ 2500	31.7	88.1	89.4	89.9	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	91.0
≥ 2000	31.9	89.3	90.9	91.7	92.3	92.4	92.4	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.8
≥ 1800	32.2	89.7	91.2	92.1	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.2
≥ 1500	32.2	89.9	91.4	92.3	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.7
≥ 1200	32.2	90.3	91.9	92.8	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.3
≥ 1000	32.2	90.8	92.3	93.2	94.2	94.4	94.4	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.8
≥ 900	32.2	90.8	92.3	93.2	94.2	94.4	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.9
≥ 800	32.2	90.9	92.4	93.3	94.3	94.6	94.7	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	95.0
≥ 700	32.2	91.1	92.8	93.7	94.8	95.0	95.1	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.4
≥ 600	32.2	91.2	93.0	94.0	95.1	95.4	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.9
≥ 500	32.2	91.2	93.0	94.1	95.4	95.8	96.1	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.6
≥ 400	32.2	91.2	93.0	94.2	95.9	96.3	96.9	97.1	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.4
≥ 300	32.2	91.2	93.0	94.2	95.9	96.6	97.2	97.4	97.4	97.7	97.8	98.1	98.1	98.1	98.1	98.2
≥ 200	32.2	91.2	93.0	94.2	95.9	96.6	97.2	97.6	97.6	97.9	98.1	98.6	98.6	98.7	98.7	98.8
≥ 100	32.2	91.2	93.0	94.2	95.9	96.6	97.2	97.6	97.6	97.9	98.1	98.7	98.9	99.0	99.1	99.3
≥ 0	32.2	91.2	93.0	94.2	95.9	96.6	97.2	97.6	97.6	97.9	98.1	98.9	99.1	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70,73-78 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	21.9	63.2	64.2	64.3	64.3	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8
≥ 20000	23.8	67.2	68.2	68.3	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.9
≥ 18000	23.8	67.2	68.2	68.3	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.9
≥ 16000	23.8	67.2	68.2	68.3	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.9
≥ 14000	23.9	67.2	68.2	68.3	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.9
≥ 12000	24.0	68.3	69.3	69.4	69.4	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	70.0
≥ 10000	25.2	72.9	74.1	74.2	74.2	74.2	74.4	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.9	75.0
≥ 9000	25.3	73.2	74.4	74.6	74.6	74.6	74.8	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.2	75.3
≥ 8000	26.3	77.2	78.4	78.6	78.6	78.6	78.8	79.0	79.0	79.1	79.3	79.3	79.3	79.3	79.4	79.7
≥ 7000	26.9	78.9	80.4	80.6	80.6	80.6	80.8	81.0	81.0	81.1	81.3	81.3	81.3	81.3	81.4	81.7
≥ 6000	26.9	80.7	81.9	82.0	82.0	82.0	82.2	82.4	82.4	82.6	82.8	82.8	82.8	82.8	82.9	83.1
> 5000	26.9	80.8	82.0	82.7	82.7	82.7	82.9	83.1	83.1	83.2	83.4	83.4	83.4	83.4	83.6	83.8
> 4500	26.9	81.6	83.3	83.4	83.4	83.4	83.7	83.9	83.9	84.0	84.2	84.2	84.2	84.2	84.3	84.6
≥ 4000	27.0	83.4	85.3	85.4	85.4	85.4	85.7	85.9	85.9	86.0	86.2	86.2	86.2	86.2	86.3	86.6
≥ 3500	27.0	84.0	86.2	86.4	86.4	86.4	86.7	86.9	86.9	87.0	87.2	87.2	87.2	87.2	87.3	87.6
≥ 3000	27.3	84.8	87.0	87.2	87.2	87.2	87.4	87.7	87.7	87.8	88.0	88.0	88.0	88.0	88.1	88.3
≥ 2500	27.7	85.3	87.9	88.1	88.1	88.1	88.3	88.6	88.6	88.7	88.9	88.9	88.9	88.9	89.0	89.2
> 2000	27.8	86.8	89.4	89.8	89.8	89.8	90.0	90.2	90.2	90.3	90.6	90.6	90.6	90.6	90.7	90.9
≥ 1800	27.8	86.9	89.7	90.1	90.1	90.1	90.3	90.6	90.6	90.7	90.9	90.9	90.9	90.9	91.0	91.2
> 1500	27.8	87.4	90.2	90.7	90.7	90.7	90.9	91.1	91.1	91.2	91.4	91.4	91.4	91.4	91.6	91.8
≥ 1200	27.8	87.9	90.7	91.1	91.3	91.3	91.6	91.8	91.8	91.9	92.1	92.1	92.1	92.1	92.2	92.4
≥ 1000	27.8	88.3	91.2	91.7	91.9	91.9	92.1	92.3	92.3	92.4	92.7	92.7	92.7	92.7	92.8	93.0
≥ 900	27.8	88.4	91.3	91.8	92.0	92.0	92.2	92.4	92.4	92.6	92.8	92.8	92.8	92.8	92.9	93.1
≥ 800	27.8	88.7	91.8	92.3	92.6	92.6	92.8	93.0	93.0	93.1	93.3	93.3	93.3	93.3	93.4	93.7
≥ 700	27.8	89.0	92.3	92.9	93.1	93.2	93.4	93.7	93.7	93.8	94.1	94.1	94.1	94.1	94.2	94.4
≥ 600	27.8	89.0	92.6	93.2	93.8	94.0	94.3	94.6	94.6	94.7	95.0	95.0	95.0	95.0	95.1	95.3
≥ 500	27.8	89.0	92.7	93.3	94.1	94.3	94.8	95.1	95.1	95.2	95.6	95.6	95.6	95.6	95.7	95.9
≥ 400	27.8	89.0	92.7	93.7	94.7	95.0	95.6	96.0	96.0	96.1	96.4	96.4	96.6	96.6	96.7	96.9
≥ 300	27.8	89.0	92.7	93.7	94.7	95.1	95.9	96.7	96.9	97.0	97.3	97.3	97.4	97.4	97.6	97.8
≥ 200	27.8	89.0	92.7	93.7	94.7	95.1	95.9	96.8	97.3	97.6	97.9	97.9	98.1	98.1	98.2	98.4
≥ 100	27.8	89.0	92.7	93.7	94.7	95.1	95.9	96.8	97.3	97.6	98.2	98.2	98.7	98.7	98.8	99.6
< 100	27.8	89.0	92.7	93.7	94.7	95.1	95.9	96.8	97.3	97.6	98.2	98.2	98.7	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	>5/16	≥⅛	≥0
NO CEILING	19.0	54.8	56.8	58.1	58.6	58.6	58.6	58.7	58.7	58.8	58.9	58.9	59.0	59.0	59.2	59.3
≥ 20000	20.6	59.2	61.4	62.8	63.2	63.2	63.2	63.4	63.4	63.7	63.8	63.8	63.9	63.9	64.1	64.2
≥ 18000	20.6	59.2	61.4	62.8	63.2	63.2	63.2	63.4	63.4	63.7	63.8	63.8	63.9	63.9	64.1	64.2
≥ 16000	20.7	59.3	61.6	62.9	63.3	63.3	63.3	63.6	63.6	63.8	63.9	63.9	64.0	64.0	64.2	64.3
≥ 14000	20.7	59.8	62.0	63.3	63.8	63.8	63.8	64.0	64.0	64.2	64.3	64.3	64.4	64.4	64.7	64.8
≥ 12000	21.1	60.7	63.3	64.7	65.1	65.1	65.1	65.3	65.3	65.6	65.7	65.7	65.8	65.8	66.0	66.1
≥ 10000	21.8	66.2	69.1	70.4	71.0	71.0	71.0	71.2	71.2	71.4	71.6	71.6	71.7	71.7	71.9	72.0
≥ 9000	21.9	66.7	69.6	70.9	71.4	71.4	71.4	71.7	71.7	71.9	72.0	72.0	72.1	72.1	72.3	72.4
≥ 8000	22.4	71.2	74.1	75.6	76.2	76.2	76.2	76.4	76.4	76.7	76.9	77.1	77.2	77.2	77.4	77.6
≥ 7000	22.7	72.6	75.7	77.2	77.9	77.9	77.9	78.1	78.1	78.3	78.6	78.8	78.9	78.9	79.1	79.2
≥ 6000	23.0	73.8	76.9	78.4	79.3	79.3	79.3	79.6	79.6	79.8	80.0	80.2	80.3	80.3	80.6	80.7
≥ 5000	23.4	74.7	78.1	79.7	80.6	80.6	80.6	80.8	80.8	81.0	81.2	81.4	81.6	81.6	81.8	81.9
≥ 4500	23.6	75.1	78.6	80.1	81.0	81.0	81.0	81.2	81.2	81.4	81.7	81.9	82.0	82.0	82.2	82.3
≥ 4000	23.6	77.3	81.0	82.6	83.6	83.6	83.6	83.8	83.8	84.0	84.2	84.4	84.6	84.6	84.8	84.9
≥ 3500	23.7	78.3	82.2	83.8	84.8	84.8	84.8	85.0	85.0	85.2	85.4	85.7	85.8	85.8	86.0	86.1
≥ 3000	23.8	79.1	83.1	84.8	85.9	85.9	86.0	86.2	86.2	86.4	86.7	86.9	87.0	87.0	87.2	87.3
≥ 2500	24.2	79.8	83.8	85.6	86.7	86.7	86.8	87.0	87.0	87.2	87.4	87.7	87.8	87.8	88.0	88.1
≥ 2000	24.3	80.7	84.7	86.4	87.6	87.6	87.8	88.0	88.0	88.2	88.4	88.7	88.8	88.8	89.0	89.1
≥ 1800	24.3	81.1	85.1	86.9	88.1	88.1	88.3	88.6	88.6	88.8	89.0	89.2	89.3	89.3	89.6	89.7
≥ 1500	24.6	82.3	86.3	88.2	89.6	89.6	89.8	90.0	90.0	90.2	90.4	90.7	90.8	90.8	91.0	91.1
≥ 1200	24.7	83.1	87.2	89.2	90.7	90.7	90.9	91.1	91.1	91.3	91.6	91.8	91.9	91.9	92.1	92.2
≥ 1000	24.9	84.1	88.6	90.6	92.1	92.1	92.3	92.6	92.6	92.8	93.0	93.2	93.3	93.3	93.6	93.7
≥ 900	24.9	84.1	88.6	90.6	92.2	92.2	92.4	92.7	92.7	92.9	93.1	93.3	93.4	93.4	93.7	93.8
≥ 800	24.9	84.4	89.1	91.3	93.0	93.1	93.4	93.8	93.8	94.1	94.4	94.6	94.7	94.7	94.9	95.0
≥ 700	24.9	84.6	89.2	91.7	93.4	93.6	94.2	94.6	94.6	94.9	95.1	95.3	95.4	95.4	95.7	95.8
≥ 600	24.9	84.7	89.4	92.0	93.9	94.2	94.9	95.2	95.2	95.6	95.8	96.0	96.1	96.1	96.3	96.4
≥ 500	24.9	84.7	89.4	92.1	94.1	94.7	95.6	96.1	96.2	96.7	96.9	97.1	97.2	97.2	97.4	97.6
≥ 400	24.9	84.7	89.4	92.4	94.6	95.1	96.0	96.8	96.9	97.3	97.6	97.8	97.9	97.9	98.1	98.2
≥ 300	24.9	84.7	89.4	92.4	94.6	95.1	96.0	97.0	97.3	97.8	98.0	98.2	98.3	98.3	98.6	98.7
≥ 200	24.9	84.7	89.4	92.4	94.6	95.1	96.0	97.0	97.4	98.0	98.3	98.6	98.8	98.9	99.1	99.2
≥ 100	24.9	84.7	89.4	92.4	94.6	95.1	96.0	97.0	97.4	98.0	98.3	98.6	98.9	99.0	99.3	99.4
≥ 0	24.9	84.7	89.4	92.4	94.6	95.1	96.0	97.0	97.4	98.0	98.3	98.6	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	<½	≥5/16	≥¼	≥0
NO CEILING	25.0	59.1	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	27.1	.6	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000	27.6	.7	65.2	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 16000	27.6	63.8	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	27.8	63.8	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000	27.9	65.1	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	28.7	69.7	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000	28.9	70.3	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 8000	29.3	74.2	76.9	77.2	77.4	77.4	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	29.7	75.3	78.0	78.3	78.6	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 6000	30.2	76.4	79.1	79.4	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	30.9	77.7	80.4	80.8	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	31.0	78.2	81.0	81.3	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	31.7	80.2	83.1	83.4	83.9	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500	32.2	80.9	83.8	84.1	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3000	32.7	82.7	86.1	86.4	87.1	87.1	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	32.8	83.6	87.2	87.6	88.3	88.3	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000	33.1	84.8	88.4	88.8	89.7	89.7	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	33.1	85.0	88.7	89.0	89.9	89.9	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1500	33.2	86.1	90.2	90.7	91.7	91.7	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	33.2	86.9	91.1	91.8	92.8	92.8	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	33.3	87.9	92.3	93.3	94.3	94.4	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	33.3	88.0	92.6	93.7	94.7	94.9	95.7	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	33.3	88.2	93.0	94.2	95.3	95.6	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	33.3	88.4	93.7	94.9	96.2	96.4	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	33.3	88.4	94.0	95.2	96.7	97.0	98.0	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	33.3	88.6	94.2	95.6	97.1	97.4	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	33.3	88.6	94.2	95.6	97.3	97.8	98.9	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	33.3	88.6	94.2	95.6	97.3	97.8	98.9	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	33.3	88.6	94.2	95.6	97.3	97.8	98.9	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	33.3	88.6	94.2	95.6	97.3	97.8	98.9	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	33.3	88.6	94.2	95.6	97.3	97.8	98.9	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	26.1	59.1	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 20000	29.3	64.4	65.0	65.2	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 18000	29.3	64.7	65.2	65.4	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000	29.3	64.7	65.2	65.4	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 14000	29.4	65.1	65.7	65.9	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	29.7	66.6	67.1	67.3	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 10000	30.7	70.2	70.8	71.1	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 9000	30.7	70.6	71.1	71.4	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 8000	31.6	74.1	74.9	75.3	76.4	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000	31.6	75.1	75.9	76.4	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 6000	32.0	77.1	78.3	78.9	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000	32.7	80.2	81.4	82.0	83.2	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4500	32.8	80.8	82.0	82.7	83.9	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	33.4	82.8	84.2	84.9	86.1	86.1	86.2	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	33.8	83.4	84.9	85.6	86.9	86.9	87.0	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000	33.3	86.3	87.9	88.6	89.9	89.9	90.0	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	35.4	87.1	88.7	89.3	90.7	90.7	90.8	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	35.6	88.9	90.9	91.7	93.0	93.0	93.1	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	35.6	89.0	91.0	91.8	93.1	93.1	93.2	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	35.7	89.8	91.9	92.8	94.3	94.3	94.4	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	35.8	90.8	93.0	94.0	95.7	95.8	95.9	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	35.8	91.1	93.3	94.4	96.3	96.4	96.6	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	35.8	91.3	93.7	94.9	96.9	97.0	97.1	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	35.8	91.6	94.0	95.2	97.3	97.4	97.7	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	35.8	91.7	94.2	95.6	97.8	98.0	98.3	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	35.8	91.7	94.2	95.6	97.9	98.1	98.6	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	35.8	91.7	94.2	95.6	97.9	98.1	98.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	35.8	91.7	94.2	95.6	97.9	98.1	98.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	35.8	91.7	94.2	95.6	97.9	98.1	98.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	35.8	91.7	94.2	95.6	97.9	98.1	98.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	35.8	91.7	94.2	95.6	97.9	98.1	98.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥	35.8	91.7	94.2	95.6	97.9	98.1	98.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥7	≥1	≥1	≥1	≥	≥	≥	≥5 16	≥	≥0
NO CEILING	22.9	55.1	56.3	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	26.3	61.2	62.4	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	26.3	61.2	62.4	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	26.3	61.2	62.4	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	26.6	62.2	63.4	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	26.8	63.3	64.6	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	28.1	67.4	68.7	69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	28.1	67.6	69.0	69.6	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	29.4	72.1	73.7	74.3	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 7000	29.4	73.1	74.7	75.3	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	29.8	74.7	76.2	77.2	77.8	77.8	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000	30.1	77.1	78.7	79.9	80.7	80.7	80.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500	31.1	78.3	79.9	81.1	82.1	82.1	82.3	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000	33.0	82.1	83.9	85.4	86.7	86.7	87.0	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500	33.8	83.2	85.1	86.7	88.0	88.0	88.3	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	34.9	85.7	87.7	89.6	91.0	91.0	91.3	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	35.2	86.1	88.2	90.3	91.9	91.9	92.2	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	35.2	86.9	89.4	91.7	93.3	93.3	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	35.2	87.0	89.6	91.8	93.8	93.8	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	35.3	87.8	90.3	92.7	94.8	94.8	95.4	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	35.3	88.3	91.0	93.6	95.9	95.9	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	35.3	88.6	91.2	93.9	96.6	96.6	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	35.3	88.6	91.2	93.9	96.6	96.6	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	35.3	88.8	91.4	94.1	96.8	96.8	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	35.3	89.1	91.9	94.7	97.4	97.4	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	35.3	89.1	92.0	94.9	97.8	97.8	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	35.3	89.1	92.0	94.9	97.8	97.8	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	35.3	89.1	92.0	94.9	97.8	97.8	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	35.3	89.1	92.0	94.9	97.8	97.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	35.3	89.1	92.0	94.9	97.8	97.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	35.3	89.1	92.0	94.9	97.8	97.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	35.3	89.1	92.0	94.9	97.8	97.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS, LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥5/8	≥½	≥0
NO CEILING	20.3	57.2	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	22.9	62.1	63.8	63.8	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	23.2	62.4	64.1	64.1	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	23.2	62.4	64.1	64.1	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	23.6	63.2	64.9	64.9	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000	24.0	65.4	67.1	67.1	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	25.3	69.1	70.8	70.8	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	25.3	69.4	71.1	71.1	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	26.6	72.4	74.3	74.6	74.9	74.9	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	26.7	74.4	76.3	76.6	76.9	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	27.2	76.3	78.3	78.7	79.0	79.0	79.2	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	27.9	78.8	81.0	81.4	81.9	81.9	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500	28.3	79.3	81.8	82.2	82.7	82.7	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4000	29.0	82.6	85.7	86.3	87.0	87.0	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500	29.1	84.0	87.1	87.8	88.4	88.4	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3000	29.4	85.2	88.3	89.3	90.0	90.0	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	29.4	85.8	89.1	90.2	91.1	91.1	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	29.4	86.2	89.6	90.7	91.7	91.7	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1800	29.6	86.3	89.7	90.8	91.8	91.8	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500	29.8	87.0	90.3	91.6	92.8	92.8	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	29.9	87.7	91.0	92.3	93.9	94.0	94.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	29.9	88.2	91.7	93.1	94.9	95.0	95.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	29.9	88.2	91.7	93.1	94.9	95.1	95.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	29.9	88.6	92.1	93.6	95.3	95.6	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	29.9	88.8	92.3	93.9	95.7	95.9	96.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	29.9	88.9	92.4	94.0	96.0	96.2	97.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	29.9	88.9	92.6	94.1	96.2	96.4	97.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	29.9	88.9	92.6	94.1	96.2	96.6	97.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	29.9	88.9	92.6	94.1	96.2	96.6	97.7	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	29.9	88.9	92.6	94.1	96.2	96.6	97.7	99.0	99.3	99.4	99.6	99.8	99.9	99.9	99.9	99.9
≥ 100	29.9	88.9	92.6	94.1	96.2	96.6	97.7	99.0	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
≥ 0	29.9	88.9	92.6	94.1	96.2	96.6	97.7	99.0	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 STATION — LANGLEY AFB, VA STATION NAME — 67-70, 73-78 YEARS — APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.7	65.7	66.1	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 20000	27.7	69.1	69.6	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 18000	27.7	69.1	69.6	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 16000	27.7	69.1	69.6	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	27.9	69.6	70.0	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000	28.3	70.7	71.2	71.8	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 10000	29.8	74.6	75.1	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000	29.9	75.2	75.8	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000	30.7	78.3	79.1	79.8	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	31.1	80.4	81.4	81.9	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000	31.4	81.9	82.8	83.4	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	31.4	83.3	84.4	85.1	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4500	31.6	83.8	84.9	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	32.2	86.6	87.8	88.4	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	32.2	87.3	88.8	89.4	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	32.2	87.8	89.2	90.0	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	32.2	88.2	89.8	90.6	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	32.4	89.7	91.2	92.0	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	32.6	90.1	91.7	92.4	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	32.8	90.3	91.9	92.7	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	32.8	90.9	92.6	93.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	32.8	91.2	93.0	93.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	32.8	91.2	93.0	93.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	32.8	92.2	94.2	95.1	96.4	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	32.8	92.3	94.4	95.4	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	32.8	92.4	94.6	95.6	97.1	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	32.8	92.4	94.6	95.9	97.6	97.7	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	32.8	92.6	94.7	96.0	97.7	98.0	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	32.8	92.6	94.7	96.0	97.8	98.1	98.3	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	32.8	92.6	94.7	96.0	97.8	98.1	98.3	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	32.8	92.6	94.7	96.0	97.8	98.1	98.3	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0	32.8	92.6	94.7	96.0	97.8	98.1	98.3	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	23.3	59.9	61.0	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8
≥ 20000	25.7	64.6	65.8	66.2	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7
≥ 18000	25.8	64.7	65.8	66.3	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8
≥ 16000	25.8	64.7	65.9	66.3	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9
≥ 14000	25.9	65.1	66.3	66.7	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3
≥ 12000	26.2	66.4	67.7	68.1	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6
≥ 10000	27.4	70.8	72.1	72.6	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2
≥ 9000	27.5	71.2	72.6	73.0	73.3	73.3	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.7
≥ 8000	28.4	75.0	76.5	77.1	77.5	77.5	77.6	77.8	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0
≥ 7000	28.6	76.4	78.0	78.6	79.1	79.1	79.2	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.6
≥ 6000	28.9	77.9	79.6	80.2	80.8	80.8	80.9	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.3	81.3
≥ 5000	29.3	79.6	81.4	82.1	82.7	82.7	82.8	83.0	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.3
≥ 4500	29.5	80.2	82.1	82.7	83.3	83.3	83.5	83.7	83.7	83.8	83.8	83.9	83.9	83.9	83.9	84.0
≥ 4000	30.1	82.6	84.7	85.4	86.1	86.2	86.3	86.6	86.6	86.6	86.7	86.7	86.8	86.8	86.8	86.8
≥ 3500	30.4	83.4	85.7	86.4	87.2	87.2	87.4	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.9
≥ 3000	30.9	84.9	87.2	88.1	88.9	88.9	89.1	89.4	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.7
≥ 2500	31.1	85.5	88.0	88.9	89.8	89.8	90.1	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.6	90.6
≥ 2000	31.2	86.7	89.3	90.3	91.3	91.3	91.6	91.9	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.2
≥ 1800	31.3	86.9	89.6	90.6	91.6	91.6	91.9	92.2	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.5
≥ 1500	31.4	87.6	90.3	91.4	92.3	92.6	92.9	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.5	93.5
≥ 1200	31.5	88.2	91.1	92.3	93.5	93.6	93.9	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.6
≥ 1000	31.5	88.8	91.7	93.0	94.4	94.5	94.8	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.5
≥ 900	31.5	88.8	91.8	93.1	94.6	94.7	95.0	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.7
≥ 800	31.5	89.2	92.3	93.7	95.1	95.3	95.7	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.4	96.4
≥ 700	31.5	89.4	92.6	94.1	95.7	95.8	96.3	96.8	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.1
≥ 600	31.5	89.4	92.8	94.3	96.0	96.2	96.8	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.6	97.7
≥ 500	31.5	89.4	92.8	94.4	96.3	96.5	97.2	97.8	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.2
≥ 400	31.5	89.5	92.8	94.6	96.5	96.8	97.6	98.3	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.8
≥ 300	31.5	89.5	92.8	94.6	96.5	96.9	97.7	98.5	98.6	98.8	98.9	99.0	99.0	99.0	99.1	99.1
≥ 200	31.5	89.5	92.8	94.6	96.5	96.9	97.7	98.6	98.8	99.0	99.1	99.3	99.4	99.4	99.4	99.5
≥ 100	31.5	89.5	92.8	94.6	96.5	96.9	97.7	98.6	98.8	99.0	99.2	99.3	99.5	99.6	99.6	99.8
≥ 0	31.5	89.5	92.8	94.6	96.5	96.9	97.7	98.6	98.8	99.0	99.3	99.4	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	15.4	54.5	56.9	57.8	58.6	58.6	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥ 20000	18.1	58.5	61.5	62.7	63.4	63.4	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.2
≥ 18000	18.1	58.5	61.5	62.7	63.4	63.4	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.2
≥ 16000	18.1	58.5	61.5	62.7	63.4	63.4	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.2
≥ 14000	18.2	58.9	62.0	63.2	64.0	64.0	64.3	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7
≥ 12000	18.7	60.3	63.4	64.6	65.4	65.4	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.1
≥ 10000	19.2	64.3	68.0	69.1	69.9	69.9	70.2	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.6
≥ 9000	19.2	64.3	68.3	69.5	70.2	70.2	70.5	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.0
≥ 8000	20.1	67.7	71.7	73.0	73.8	73.8	74.1	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.5
≥ 7000	20.1	68.0	72.0	73.3	74.1	74.1	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8
≥ 6000	20.1	69.0	73.2	74.5	75.3	75.3	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.0
≥ 5000	20.4	71.2	75.7	77.2	78.1	78.1	78.4	78.6	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.9
≥ 4500	20.6	71.6	76.2	77.7	78.6	78.6	78.9	79.1	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.5
≥ 4000	20.8	73.0	77.7	79.2	80.2	80.2	80.5	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.1
≥ 3500	20.9	74.2	79.1	80.6	81.8	81.8	82.2	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.7
≥ 3000	21.0	74.9	80.0	81.5	83.0	83.0	83.3	83.5	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.9
≥ 2500	21.0	75.6	80.6	82.2	83.7	83.7	84.0	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.5
≥ 2000	21.3	77.3	82.6	84.1	85.6	85.6	85.9	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.5
≥ 1800	21.3	78.1	83.3	84.8	86.3	86.3	86.7	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.2
≥ 1500	21.3	78.8	84.2	86.0	87.6	87.6	88.0	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.5
≥ 1200	21.3	79.7	85.1	87.1	88.7	88.7	89.0	89.2	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.6
≥ 1000	21.8	80.6	86.2	88.3	90.0	90.0	90.3	90.5	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.9
≥ 900	21.8	80.8	86.6	88.8	90.5	90.5	90.9	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.5
≥ 800	21.8	80.9	86.9	89.6	91.4	91.4	91.7	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.4
≥ 700	21.8	81.2	87.3	90.1	92.4	92.5	92.8	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.5
≥ 600	21.8	81.4	87.6	90.5	93.2	93.3	93.7	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.4
≥ 500	21.8	81.7	88.6	91.5	94.6	94.7	95.1	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.8
≥ 400	21.8	81.9	88.8	91.9	95.4	95.7	96.0	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.8
≥ 300	21.8	81.9	88.9	92.3	95.9	96.3	96.8	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	98.0
≥ 200	21.8	81.9	88.9	92.3	95.9	96.5	96.9	97.7	97.8	98.2	98.7	98.7	98.7	98.7	98.7	98.8
≥ 100	21.8	81.9	88.9	92.3	95.9	96.5	96.9	97.7	97.8	98.2	98.8	98.8	99.1	99.1	99.2	99.6
0	21.8	81.9	88.9	92.3	95.9	96.5	96.9	97.7	97.8	98.2	98.8	98.8	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (L S T)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	11.1	47.2	51.4	54.0	54.9	55.3	55.6	55.8	55.8	55.8	56.1	56.5	56.5	56.5	56.5	56.9
≥ 20000	12.3	49.6	54.0	56.8	58.0	58.3	58.7	58.9	58.9	58.9	59.2	59.6	59.6	59.6	59.6	60.0
≥ 18000	12.3	49.6	54.0	56.8	58.0	58.3	58.7	58.9	58.9	58.9	59.2	59.6	59.6	59.6	59.6	60.0
≥ 16000	12.3	49.6	54.0	56.8	58.0	58.3	58.7	58.9	58.9	58.9	59.2	59.6	59.6	59.6	59.6	60.0
≥ 14000	12.3	50.0	54.4	57.2	58.4	58.7	59.1	59.4	59.4	59.4	59.7	60.0	60.0	60.0	60.0	60.4
≥ 12000	12.9	51.9	56.3	59.2	60.4	60.8	61.2	61.4	61.4	61.4	61.7	62.0	62.0	62.0	62.0	62.5
≥ 10000	14.1	57.1	61.5	64.5	65.7	66.0	66.5	66.7	66.7	66.7	67.0	67.3	67.3	67.3	67.3	67.7
≥ 9000	14.1	57.1	61.5	64.5	65.7	66.0	66.5	66.7	66.7	66.7	67.0	67.3	67.3	67.3	67.3	67.7
≥ 8000	15.3	61.2	65.8	69.5	70.6	71.0	71.4	71.6	71.6	71.6	71.9	72.3	72.3	72.3	72.3	72.7
≥ 7000	15.3	62.0	66.9	70.5	71.7	72.0	72.5	72.7	72.7	72.7	73.0	73.3	73.3	73.3	73.3	73.8
≥ 6000	15.3	62.7	67.5	71.2	72.4	72.7	73.1	73.3	73.3	73.3	73.7	74.0	74.0	74.0	74.0	74.4
≥ 5000	15.7	64.7	69.8	73.9	75.1	75.4	75.9	76.2	76.2	76.3	76.7	77.0	77.0	77.0	77.0	77.4
≥ 4500	15.7	64.9	70.0	74.1	75.3	75.7	76.2	76.6	76.6	76.7	77.0	77.3	77.3	77.3	77.3	77.7
≥ 4000	15.9	66.0	71.2	75.3	76.5	76.9	77.4	77.7	77.7	77.8	78.2	78.5	78.5	78.5	78.5	78.9
≥ 3500	16.1	67.1	72.4	76.7	77.8	78.3	78.8	79.1	79.1	79.2	79.6	79.9	79.9	79.9	79.9	80.3
≥ 3000	16.5	68.2	73.7	78.0	79.5	79.9	80.5	80.9	80.9	81.0	81.3	81.6	81.6	81.6	81.6	82.0
≥ 2500	16.5	68.7	74.2	78.5	80.1	80.5	81.2	81.5	81.5	81.6	81.9	82.3	82.3	82.3	82.3	82.7
≥ 2000	16.5	69.4	74.9	79.2	80.9	81.3	82.0	82.4	82.4	82.5	82.8	83.1	83.1	83.1	83.1	83.5
≥ 1800	16.5	69.4	74.9	79.2	80.9	81.3	82.0	82.4	82.4	82.5	82.8	83.1	83.1	83.1	83.1	83.5
≥ 1500	16.5	71.4	77.2	81.5	83.2	83.7	84.4	84.7	84.7	84.8	85.2	85.5	85.5	85.5	85.5	85.9
≥ 1200	16.5	72.5	78.7	83.3	85.2	85.6	86.3	86.7	86.7	86.8	87.1	87.4	87.4	87.4	87.4	87.8
≥ 1000	16.7	73.3	79.7	84.4	86.3	87.0	87.7	88.2	88.2	88.3	88.6	88.9	88.9	88.9	88.9	89.4
≥ 900	16.7	73.9	80.6	85.5	87.5	88.2	88.9	89.4	89.4	89.5	89.8	90.1	90.1	90.1	90.1	90.5
≥ 800	16.7	74.0	81.0	86.1	88.5	89.2	90.2	90.6	90.6	90.8	91.1	91.4	91.5	91.5	91.5	91.9
≥ 700	16.7	74.2	81.2	86.3	89.6	90.3	91.4	91.8	91.8	92.0	92.4	92.7	92.8	92.8	92.8	93.2
≥ 600	16.7	74.4	81.5	86.9	90.2	91.1	92.2	92.6	92.6	92.8	93.1	93.4	93.5	93.5	93.5	94.0
≥ 500	16.7	74.7	81.9	87.4	91.0	91.9	93.1	93.5	93.7	93.9	94.2	94.5	94.6	94.6	94.6	95.1
≥ 400	16.7	74.8	82.0	87.7	91.7	92.9	94.5	95.2	95.3	95.6	95.9	96.2	96.3	96.3	96.3	96.8
≥ 300	16.7	74.8	82.0	87.7	92.2	93.8	95.6	96.5	96.7	97.1	97.4	97.7	97.8	97.8	97.8	98.3
≥ 200	16.7	74.8	82.0	87.7	92.2	93.8	95.7	96.8	97.0	97.5	98.3	98.7	98.9	98.9	98.9	99.5
≥ 100	16.7	74.8	82.0	87.7	92.2	93.8	95.7	96.8	97.0	97.6	98.4	98.8	99.1	99.1	99.1	99.7
≥ 0	16.7	74.8	82.0	87.7	92.2	93.8	95.7	96.8	97.0	97.6	98.4	98.8	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	11.2	45.2	47.4	50.3	51.1	51.4	51.7	52.3	52.4	52.4	52.6	52.6	52.7	52.7	52.7	52.7
≥ 20000	11.5	48.5	50.9	54.0	54.9	55.3	55.6	56.1	56.2	56.2	56.5	56.5	56.6	56.6	56.6	56.6
≥ 18000	11.5	48.9	51.3	54.4	55.4	55.7	56.0	56.6	56.7	56.7	56.9	56.9	57.0	57.0	57.0	57.0
≥ 16000	11.5	49.0	51.4	54.5	55.5	55.8	56.1	56.7	56.8	56.8	57.0	57.0	57.1	57.1	57.1	57.1
≥ 14000	11.6	49.1	51.5	54.6	55.6	55.9	56.2	56.8	56.9	56.9	57.1	57.1	57.2	57.2	57.2	57.2
≥ 12000	12.2	50.9	53.3	56.7	57.6	58.0	58.3	58.8	58.9	58.9	59.1	59.1	59.2	59.2	59.2	59.2
≥ 10000	13.1	56.2	59.2	62.9	63.9	64.3	64.6	65.2	65.3	65.3	65.5	65.5	65.6	65.6	65.6	65.6
≥ 9000	13.1	56.2	59.2	63.1	64.1	64.5	64.8	65.4	65.5	65.5	65.7	65.7	65.8	65.8	65.8	65.8
≥ 8000	13.7	60.5	63.9	68.0	68.9	69.4	69.7	70.2	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6
≥ 7000	13.7	61.8	65.6	70.0	71.1	71.5	71.8	72.4	72.5	72.5	72.7	72.7	72.8	72.8	72.8	72.8
≥ 6000	13.7	62.4	66.2	70.8	71.8	72.3	72.6	73.1	73.2	73.2	73.4	73.4	73.5	73.5	73.5	73.5
≥ 5000	14.2	64.2	68.5	73.0	74.1	74.6	75.1	75.7	75.8	75.8	76.0	76.0	76.1	76.1	76.1	76.1
≥ 4500	14.2	64.7	69.0	73.5	74.6	75.2	75.6	76.2	76.3	76.3	76.6	76.6	76.7	76.7	76.7	76.7
≥ 4000	14.4	65.9	70.4	75.1	76.2	77.0	77.5	78.2	78.3	78.3	78.5	78.5	78.6	78.6	78.6	78.6
≥ 3500	14.9	66.9	71.5	76.3	77.5	78.4	78.9	79.6	79.7	79.7	79.9	79.9	80.0	80.0	80.0	80.0
≥ 3000	15.2	67.7	72.4	77.2	78.5	79.4	80.1	80.8	80.9	80.9	81.1	81.1	81.2	81.2	81.2	81.2
≥ 2500	15.2	68.1	72.8	77.7	79.1	80.0	80.8	81.4	81.5	81.5	81.7	81.7	81.8	81.8	81.8	81.8
≥ 2000	15.2	68.5	73.2	78.5	80.0	80.9	81.6	82.3	82.4	82.4	82.6	82.6	82.7	82.7	82.7	82.7
≥ 1800	15.2	68.6	73.3	78.6	80.2	81.1	81.8	82.5	82.6	82.6	82.8	82.8	82.9	82.9	82.9	82.9
≥ 1500	15.2	69.5	74.2	79.7	81.3	82.2	82.9	83.5	83.7	83.7	83.9	83.9	84.0	84.0	84.0	84.0
≥ 1200	15.2	70.8	75.9	81.7	84.2	85.2	86.1	87.0	87.1	87.1	87.3	87.3	87.4	87.4	87.4	87.4
≥ 1000	15.3	72.5	78.1	83.9	86.5	87.5	88.5	89.5	89.6	89.6	89.8	89.8	89.9	89.9	89.9	89.9
≥ 900	15.3	72.8	78.7	84.9	87.7	89.0	90.0	91.2	91.3	91.3	91.5	91.5	91.6	91.6	91.6	91.6
≥ 800	15.3	73.1	79.0	85.8	88.9	90.3	91.4	92.6	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.0
≥ 700	15.3	73.3	79.5	86.7	90.0	91.4	92.5	93.9	94.1	94.1	94.3	94.3	94.4	94.4	94.4	94.4
≥ 600	15.3	73.4	79.6	87.4	91.0	92.4	93.4	95.1	95.3	95.3	95.5	95.5	95.7	95.7	95.7	95.7
≥ 500	15.3	73.4	79.6	87.6	91.5	93.2	94.3	96.1	96.7	96.7	97.0	97.0	97.2	97.2	97.2	97.2
≥ 400	15.3	73.4	79.6	87.7	91.6	93.5	94.8	96.9	97.5	97.7	98.1	98.1	98.3	98.3	98.3	98.3
≥ 300	15.3	73.4	79.6	87.7	91.8	93.8	95.5	97.6	98.4	98.7	99.0	99.0	99.2	99.2	99.4	99.4
≥ 200	15.3	73.4	79.6	87.7	91.9	93.9	95.6	97.7	98.5	98.9	99.2	99.2	99.5	99.5	99.6	99.6
≥ 100	15.3	73.4	79.6	87.7	91.9	93.9	95.6	97.7	98.5	98.9	99.2	99.2	99.5	99.5	99.6	99.8
≥ 0	15.3	73.4	79.6	87.7	91.9	93.9	95.6	97.7	98.5	98.9	99.2	99.2	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	17.1	54.8	56.8	57.7	58.0	58.0	56.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	18.5	58.0	60.1	61.1	61.4	61.4	61.4	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 18000	18.5	58.2	60.3	61.3	61.6	61.6	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 16000	18.5	58.2	60.3	61.3	61.6	61.6	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 14000	18.7	58.7	60.9	61.8	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	18.7	59.5	61.6	62.6	62.9	62.9	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000	20.1	63.4	65.7	66.8	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	20.1	63.4	65.8	66.9	67.2	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	20.1	66.7	69.2	70.4	70.8	70.9	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 7000	20.3	67.6	70.5	71.9	72.4	72.5	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000	20.4	69.0	71.9	73.3	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 5000	20.5	70.5	73.7	75.1	75.7	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500	20.5	70.6	73.8	75.3	75.9	76.0	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4000	20.6	71.4	74.6	76.2	76.9	77.0	77.2	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 3500	21.0	72.5	75.8	77.5	78.2	78.3	78.5	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3000	21.1	74.0	77.7	79.7	80.3	80.4	80.6	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2500	21.1	74.7	78.6	80.5	81.3	81.5	81.7	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	21.1	76.1	80.1	82.4	83.2	83.4	83.9	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1800	21.1	76.3	80.6	82.9	83.8	84.0	84.4	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	21.1	78.5	83.1	85.5	86.7	86.9	87.4	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	21.2	80.1	85.5	88.3	89.7	90.1	90.9	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	21.4	81.2	87.0	90.2	91.7	92.3	93.3	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	21.4	81.7	87.8	91.4	93.1	93.7	94.7	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	21.4	81.9	88.4	92.0	93.9	94.5	95.6	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	21.4	82.0	88.5	92.5	94.3	95.1	96.1	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	21.4	82.2	88.6	93.3	95.3	96.2	97.3	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	21.4	82.2	88.6	93.4	95.4	96.7	97.8	98.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	21.4	82.2	88.7	93.5	95.5	96.9	98.1	98.8	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	21.4	82.2	88.7	93.5	95.5	96.9	98.1	98.9	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	21.4	82.2	88.7	93.5	95.5	96.9	98.1	98.9	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	21.4	82.2	88.7	93.5	95.5	96.9	98.1	98.9	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
0	21.4	82.2	88.7	93.5	95.5	96.9	98.1	98.9	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	15.7	54.7	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	17.6	58.6	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 18000	17.7	58.8	60.4	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 16000	17.7	58.8	60.4	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 14000	17.7	58.9	60.5	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 12000	17.7	59.6	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 10000	18.8	63.4	65.4	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	18.8	64.0	65.9	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 8000	19.1	67.8	69.9	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 7000	19.2	68.6	71.3	71.7	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	19.6	69.4	72.0	72.5	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	20.0	71.4	74.4	75.1	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4500	20.0	71.4	74.4	75.1	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4000	20.3	74.3	77.5	78.2	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	20.5	75.8	79.0	79.7	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3000	21.4	80.2	84.0	84.7	85.6	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	21.4	81.0	84.9	85.9	86.9	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	21.4	82.8	87.2	88.3	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800	21.4	83.3	88.0	89.0	90.1	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1500	21.4	84.3	89.5	90.6	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	21.5	85.7	91.3	92.6	93.8	93.8	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	21.5	86.1	91.7	93.0	94.3	94.4	95.1	95.2	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	21.5	86.3	92.0	93.3	94.7	94.9	95.6	95.7	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	21.5	86.8	92.7	94.1	95.7	96.0	96.7	97.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	21.5	86.9	92.8	94.2	95.9	96.2	97.1	97.6	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	21.5	87.0	92.9	94.4	96.1	96.5	97.3	97.8	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	21.5	87.0	92.9	94.4	96.1	96.5	97.3	98.0	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	21.5	87.0	92.9	94.4	96.2	97.0	98.0	98.6	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	21.5	87.1	93.1	94.6	96.5	97.2	98.2	98.9	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	21.5	87.1	93.1	94.6	96.5	97.2	98.2	98.9	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	21.5	87.1	93.1	94.6	96.5	97.2	98.2	98.9	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	21.5	87.1	93.1	94.6	96.5	97.2	98.2	98.9	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS IST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	15.1	55.1	57.4	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	17.1	59.4	62.0	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	17.3	59.6	62.3	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	17.3	59.6	62.3	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000	17.3	60.2	62.9	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	17.3	61.3	64.0	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	18.1	66.1	68.8	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 9000	18.3	66.5	69.2	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000	19.0	70.5	73.7	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	19.4	71.2	74.5	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	19.5	72.8	76.1	77.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	19.7	74.4	77.7	79.0	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	19.7	74.5	77.8	79.1	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	20.1	78.0	81.7	83.1	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3500	20.8	80.1	84.2	85.6	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	21.2	81.9	86.6	88.2	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500	21.2	82.3	87.0	89.0	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	21.2	82.8	88.0	90.2	91.1	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	21.3	83.4	88.7	91.0	91.8	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	21.4	84.5	89.9	92.2	93.0	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	21.4	84.9	90.9	93.7	94.8	95.3	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	21.4	85.4	91.5	94.4	95.6	96.1	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	21.4	85.4	91.5	94.4	95.8	96.3	96.8	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	21.4	85.6	91.7	94.6	96.0	96.6	97.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	21.4	85.7	91.8	94.7	96.3	96.9	97.5	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	21.4	85.8	91.9	94.8	96.5	97.0	97.7	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	21.4	85.8	91.9	94.8	97.0	97.5	98.3	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	21.4	85.8	91.9	94.8	97.2	97.7	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	21.4	85.8	91.9	94.8	97.2	97.7	98.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	21.4	85.8	91.9	94.8	97.2	97.7	98.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	21.4	85.8	91.9	94.8	97.2	97.7	98.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	21.4	85.8	91.9	94.8	97.2	97.7	98.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	13.3	54.0	57.5	58.4	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	15.9	59.0	62.9	64.0	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000	16.2	59.4	63.2	64.3	64.7	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	16.2	59.4	63.2	64.3	64.7	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	16.3	59.7	63.5	64.6	65.1	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	17.3	62.6	66.6	67.6	68.1	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000	18.3	66.7	70.9	72.0	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 9000	18.3	67.0	71.2	72.4	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	19.1	71.0	75.2	76.3	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	19.4	71.5	75.7	77.0	77.7	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	19.4	73.3	77.5	78.8	79.6	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 5000	19.4	75.4	79.8	81.2	82.0	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	19.4	75.5	80.0	81.4	82.3	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4000	19.4	76.9	81.8	83.3	84.3	84.5	84.7	84.8	84.8	84.9	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	19.4	78.0	83.3	85.1	86.1	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	19.4	78.9	84.5	86.3	87.7	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	19.4	79.2	84.8	86.7	88.2	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000	19.4	80.2	86.0	88.1	89.6	89.8	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	19.4	80.3	86.1	88.2	89.7	89.9	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1500	19.4	81.5	87.3	89.6	91.4	91.7	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	19.4	82.6	88.6	91.3	93.3	93.8	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	19.5	83.3	89.4	92.2	94.2	94.6	95.2	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	19.5	83.4	89.5	92.3	94.3	94.7	95.4	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	19.5	83.5	89.7	92.6	94.6	95.1	95.7	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	19.5	83.8	89.9	92.9	95.1	95.6	96.5	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	19.5	84.1	90.2	93.4	95.8	96.5	97.5	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	19.5	84.4	90.8	94.0	96.5	97.2	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	19.5	84.5	90.9	94.1	96.6	97.3	98.5	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	19.5	84.5	90.9	94.1	96.6	97.3	98.5	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	19.5	84.5	90.9	94.1	96.6	97.3	98.5	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	19.5	84.5	90.9	94.1	96.6	97.3	98.5	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
0	19.5	84.5	90.9	94.1	96.6	97.3	98.5	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	14.2	58.3	61.1	62.0	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	15.8	62.5	65.5	66.5	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 18000	15.8	62.5	65.5	66.5	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 16000	15.8	62.5	65.5	66.5	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000	15.8	62.6	65.6	66.6	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	16.6	64.1	67.2	68.2	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	17.5	69.0	72.3	73.2	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000	17.5	69.4	72.6	73.5	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 8000	18.0	72.4	75.6	76.7	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	18.0	73.0	76.5	77.5	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	18.0	73.9	77.3	78.4	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 5000	18.1	75.7	79.6	80.8	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4500	18.1	75.7	79.6	80.9	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	18.5	77.1	81.0	82.3	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	18.8	78.1	82.3	83.7	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	19.1	79.2	83.5	85.2	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	19.1	79.4	83.9	85.5	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	19.1	80.3	85.3	86.9	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	19.1	80.6	85.6	87.2	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	19.1	81.5	86.5	88.1	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	19.1	82.8	87.7	89.5	91.0	91.0	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1000	19.6	83.3	88.5	90.2	91.8	91.9	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	19.6	83.4	88.7	90.4	92.0	92.0	92.0	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 800	19.6	83.5	89.2	91.3	92.9	92.9	92.9	93.2	93.2	93.3	93.3	93.	93.3	93.3	93.3	93.3
≥ 700	19.6	84.2	90.0	92.5	94.3	94.3	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	19.7	84.9	91.0	93.8	96.1	96.1	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	19.7	85.1	91.2	94.2	97.1	97.2	97.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	19.7	85.2	91.3	94.4	97.4	97.5	97.6	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	19.7	85.2	91.3	94.4	97.5	97.6	97.7	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	19.7	85.2	91.3	94.4	97.5	97.6	97.8	98.6	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 100	19.7	85.2	91.3	94.4	97.5	97.6	97.8	98.6	98.6	98.8	99.0	99.1	99.2	99.2	99.5	99.5
0	19.7	85.2	91.3	94.4	97.5	97.6	97.8	98.6	98.6	98.8	99.0	99.1	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) MAY (MONTH)

ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	14.1	53.0	55.6	56.8	57.4	57.5	57.6	57.7	57.7	57.8	57.8	57.9	57.9	57.9	57.9	58.0
≥ 20000	15.8	56.7	59.6	61.0	61.6	61.7	61.9	62.0	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2
≥ 18000	15.9	56.9	59.8	61.2	61.8	61.9	62.0	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4
≥ 16000	15.9	56.9	59.8	61.2	61.8	61.9	62.1	62.2	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4
≥ 14000	16.0	57.3	60.2	61.6	62.1	62.2	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8
≥ 12000	16.4	58.8	61.7	63.1	63.7	63.8	64.0	64.1	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.4
≥ 10000	17.4	63.3	66.5	68.0	68.6	68.7	68.9	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.3
≥ 9000	17.4	63.5	66.7	68.3	68.9	69.0	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.6
≥ 8000	18.1	67.2	70.6	72.4	73.0	73.1	73.3	73.4	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.7
≥ 7000	18.2	68.0	71.6	73.5	74.2	74.3	74.5	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.9
≥ 6000	18.2	69.1	72.7	74.6	75.3	75.4	75.6	75.8	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0
≥ 5000	18.5	70.9	74.9	76.9	77.7	77.8	78.1	78.2	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.5
≥ 4500	18.5	71.1	75.1	77.1	77.9	78.1	78.3	78.5	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.8
≥ 4000	18.8	72.8	77.0	79.1	79.9	80.1	80.4	80.6	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8
≥ 3500	19.0	74.1	78.5	80.6	81.6	81.8	82.1	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.5
≥ 3000	19.3	75.6	80.3	82.6	83.7	84.0	84.3	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.8
≥ 2500	19.3	76.1	80.9	83.?	84.5	84.7	85.1	85.3	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5
≥ 2000	19.4	77.2	82.2	84.?	86.0	86.2	86.6	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.1
≥ 1800	19.4	77.5	82.6	85.1	86.4	86.7	87.1	87.2	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5
≥ 1500	19.4	78.8	84.0	86.6	88.0	88.3	88.7	88.9	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2
≥ 1200	19.4	79.9	85.5	88.4	90.1	90.4	90.9	91.2	91.2	91.3	91.4	91.4	91.5	91.5	91.5	91.5
≥ 1000	19.6	80.7	86.5	89.6	91.3	91.7	92.3	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.1
≥ 900	19.6	81.0	86.9	90.1	92.0	92.4	93.0	93.5	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.9
≥ 800	19.6	81.2	87.3	90.8	92.7	93.3	93.9	94.4	94.5	94.6	94.7	94.7	94.8	94.8	94.8	94.8
≥ 700	19.6	81.4	87.6	91.2	93.5	94.0	94.8	95.3	95.5	95.6	95.7	95.7	95.8	95.8	95.8	95.8
≥ 600	19.7	81.7	87.9	91.8	94.3	94.9	95.7	96.3	96.4	96.5	96.6	96.7	96.7	96.7	96.7	96.8
≥ 500	19.7	81.8	88.2	92.2	94.9	95.6	96.5	97.2	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8
≥ 400	19.7	81.9	88.3	92.3	95.2	96.1	97.0	97.8	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.6
≥ 300	19.7	81.9	88.3	92.4	95.4	96.3	97.4	98.3	98.6	98.9	99.0	99.1	99.1	99.1	99.2	99.2
≥ 200	19.7	81.9	88.3	92.4	95.4	96.4	97.4	98.4	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6
≥ 100	19.7	81.9	88.3	92.4	95.4	96.4	97.4	98.4	98.7	99.1	99.4	99.5	99.6	99.6	99.7	99.8
≥ 0	19.7	81.9	88.3	92.4	95.4	96.4	97.4	98.4	98.7	99.1	99.4	99.5	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS IN LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	12.3	58.4	62.3	64.0	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	12.7	63.2	67.2	69.0	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	12.7	63.2	67.2	69.0	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	12.7	63.2	67.2	69.0	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	12.7	63.2	67.4	69.2	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000	13.1	64.8	69.3	71.1	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	14.0	68.3	73.0	74.9	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000	14.0	69.0	73.7	75.9	77.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	14.6	72.7	77.6	79.8	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000	14.6	73.1	78.1	80.3	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 6000	14.6	73.6	78.6	80.8	82.2	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	14.6	74.7	79.7	82.0	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4500	14.6	74.9	79.9	82.2	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	14.9	78.6	83.8	86.3	87.9	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500	14.9	79.3	84.6	87.2	88.8	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000	14.9	80.1	85.4	88.1	89.8	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	14.9	81.1	86.4	89.3	91.1	91.3	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	14.9	82.7	88.0	90.9	92.7	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	15.0	82.8	88.1	91.0	92.8	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	15.2	83.8	89.1	92.0	93.9	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	15.6	84.3	89.7	92.6	94.7	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	15.6	84.8	90.4	93.6	95.7	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	15.7	84.9	91.2	94.4	95.7	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	15.9	85.8	92.3	95.6	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	15.9	85.9	92.8	96.0	98.2	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	15.9	86.1	93.0	96.3	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	15.9	86.2	93.1	96.4	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	15.9	86.2	93.2	96.6	99.3	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	15.9	86.2	93.2	96.6	99.3	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	15.9	86.2	93.2	96.6	99.3	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	15.9	86.2	93.2	96.6	99.3	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	15.9	86.2	93.2	96.6	99.3	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	7.7	48.2	53.9	57.9	61.0	62.0	62.9	63.0	63.1	63.4	63.4	63.4	63.6	63.7	63.8	63.8
≥ 20000	8.0	51.9	58.2	62.3	66.1	67.1	68.2	68.3	68.4	68.8	68.8	68.8	68.9	69.0	69.1	69.1
≥ 18000	8.0	51.9	58.2	62.3	66.1	67.1	68.2	68.3	68.4	68.8	68.8	68.8	68.9	69.0	69.1	69.1
≥ 16000	8.0	51.9	58.2	62.3	66.1	67.1	68.2	68.3	68.4	68.8	68.8	68.8	68.9	69.0	69.1	69.1
≥ 14000	8.0	52.1	58.6	62.7	66.4	67.4	68.6	68.7	68.8	69.1	69.1	69.1	69.2	69.3	69.4	69.4
≥ 12000	8.2	52.9	59.4	63.7	67.4	68.4	69.6	69.7	69.8	70.1	70.1	70.1	70.2	70.3	70.4	70.4
≥ 10000	8.8	56.7	63.4	68.1	71.9	72.9	74.0	74.1	74.2	74.6	74.6	74.6	74.7	74.8	74.9	74.9
≥ 9000	8.8	57.1	63.9	68.6	72.3	73.3	74.4	74.6	74.7	75.0	75.0	75.0	75.1	75.2	75.3	75.3
≥ 8000	9.3	60.6	67.6	72.3	76.1	77.1	78.2	78.3	78.4	78.9	78.9	78.9	79.0	79.1	79.2	79.2
≥ 7000	9.3	61.2	68.6	73.3	77.1	78.1	79.2	79.3	79.4	79.9	79.9	79.9	80.0	80.1	80.2	80.2
≥ 6000	9.3	61.6	68.9	73.7	77.4	78.4	79.6	79.7	79.8	80.2	80.2	80.2	80.3	80.4	80.6	80.6
≥ 5000	9.4	63.3	70.9	75.7	79.4	80.4	81.6	81.7	81.8	82.2	82.2	82.2	82.3	82.4	82.6	82.6
≥ 4500	9.4	63.6	71.1	75.9	79.9	80.9	82.0	82.1	82.2	82.7	82.7	82.7	82.8	82.9	83.0	83.0
≥ 4000	9.7	66.0	73.9	78.7	83.0	84.0	86.1	85.2	85.3	85.8	85.8	85.8	85.9	86.0	86.1	86.1
≥ 3500	9.7	66.6	74.6	79.6	84.0	85.0	86.1	86.3	86.4	86.9	86.9	86.9	87.0	87.1	87.2	87.2
≥ 3000	9.7	67.8	75.9	80.9	85.3	86.3	87.4	87.7	87.8	88.2	88.2	88.2	88.3	88.4	88.6	88.6
≥ 2500	9.7	68.9	77.1	82.3	86.8	87.8	88.9	89.1	89.2	89.7	89.7	89.7	89.8	89.9	90.0	90.0
≥ 2000	9.7	70.3	78.7	84.1	88.6	89.6	90.7	90.9	91.0	91.4	91.4	91.4	91.6	91.7	91.8	91.8
≥ 1800	9.7	70.3	78.7	84.1	88.6	89.6	90.7	90.9	91.0	91.4	91.4	91.4	91.6	91.7	91.8	91.8
≥ 1500	9.7	70.6	79.3	84.9	89.3	90.3	91.6	91.8	91.9	92.3	92.3	92.3	92.4	92.6	92.7	92.7
≥ 1200	9.7	71.1	80.1	85.7	90.1	91.2	92.6	92.8	92.9	93.3	93.3	93.3	93.4	93.6	93.7	93.7
≥ 1000	9.8	72.1	81.4	87.0	91.4	92.6	94.1	94.3	94.4	94.9	94.9	94.9	95.0	95.1	95.2	95.2
≥ 900	9.9	72.3	81.9	87.9	92.6	93.8	95.3	95.6	95.7	96.1	96.1	96.1	96.2	96.3	96.4	96.4
≥ 800	10.0	72.9	82.9	88.9	93.8	95.0	96.6	96.8	96.9	97.3	97.3	97.3	97.4	97.6	97.7	97.7
≥ 700	10.0	73.3	83.3	89.3	94.2	95.4	97.0	97.3	97.4	97.9	97.9	97.9	98.0	98.1	98.2	98.2
≥ 600	10.0	73.4	83.6	89.6	94.4	95.8	97.3	97.8	97.9	98.3	98.3	98.3	98.4	98.6	98.7	98.7
≥ 500	10.0	73.4	83.6	89.9	95.3	96.7	98.2	98.7	98.9	99.3	99.3	99.3	99.4	99.6	99.7	99.7
≥ 400	10.0	73.4	83.7	90.0	95.4	96.8	98.3	98.8	99.0	99.6	99.6	99.6	99.7	99.8	99.9	99.9
≥ 300	10.0	73.4	83.7	90.0	95.4	96.8	98.3	98.9	99.1	99.7	99.7	99.7	99.8	99.9	100.0	100.0
≥ 200	10.0	73.4	83.7	90.0	95.4	96.8	98.3	98.9	99.1	99.7	99.7	99.7	99.8	99.9	100.0	100.0
≥ 100	10.0	73.4	83.7	90.0	95.4	96.8	98.3	98.9	99.1	99.7	99.7	99.7	99.8	99.9	100.0	100.0
≥ 0	10.0	73.4	83.7	90.0	95.4	96.8	98.3	98.9	99.1	99.7	99.7	99.7	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	6.6	42.2	50.0	55.2	57.8	58.8	59.8	60.2	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	6.8	45.4	54.1	60.0	62.6	63.6	64.7	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	6.8	45.7	54.3	60.2	62.8	63.8	64.9	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 16000	6.8	46.1	54.8	60.7	63.7	64.2	65.3	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 14000	6.8	46.2	54.9	60.8	63.3	64.3	65.4	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 12000	6.8	47.1	56.3	62.8	65.3	66.3	67.4	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 10000	7.2	50.4	60.3	66.8	69.3	70.3	71.4	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 9000	7.2	50.6	60.4	66.9	69.6	70.6	71.7	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000	7.4	53.2	63.6	70.0	72.7	73.7	74.8	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	7.4	53.9	64.2	70.7	73.3	74.3	75.4	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	7.4	54.2	64.8	71.2	73.9	74.9	76.0	76.4	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	7.4	55.9	66.7	73.1	75.8	76.8	77.9	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	7.4	56.2	67.1	73.6	76.2	77.2	78.3	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4000	7.6	58.3	69.7	76.2	78.9	79.9	81.0	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	7.6	58.6	70.0	76.6	79.2	80.2	81.3	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	7.6	60.1	71.9	78.6	81.3	82.4	83.6	84.2	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2500	7.7	61.0	72.9	79.8	82.6	83.7	85.0	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	7.8	61.9	74.2	81.1	84.0	85.2	86.6	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	7.8	61.9	74.3	81.2	84.1	85.3	86.7	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500	7.9	62.7	75.7	82.8	85.8	87.1	88.6	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	7.9	64.2	77.6	84.9	88.0	89.7	91.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1000	8.2	65.4	79.0	86.4	89.7	91.3	92.9	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	8.2	65.9	79.7	87.2	90.4	92.3	93.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	8.3	66.4	80.2	87.9	91.3	93.4	95.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	8.4	67.1	81.0	88.7	92.1	94.4	96.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	8.4	67.4	81.3	89.1	92.7	95.1	96.9	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	8.4	67.4	81.3	89.1	92.8	95.4	97.4	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	8.4	67.4	81.3	89.1	92.8	95.4	97.6	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	8.4	67.6	81.4	89.2	92.9	95.6	97.7	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	8.4	67.6	81.4	89.2	92.9	95.6	97.7	98.8	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 100	8.4	67.6	81.4	89.2	92.9	95.6	97.7	98.8	99.4	99.7	99.7	99.7	99.9	99.9	100.0	100.0
≥ 0	8.4	67.6	81.4	89.2	92.9	95.6	97.7	98.8	99.4	99.7	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	9.1	52.7	57.6	60.1	51.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 20000	10.6	59.0	65.0	67.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 18000	10.7	59.1	65.1	68.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000	10.7	59.2	65.2	68.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000	10.7	59.8	66.0	68.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 12000	11.1	61.1	67.4	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	11.3	64.3	70.7	73.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 9000	11.3	64.6	71.1	74.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	11.9	67.4	74.2	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	11.9	68.0	74.8	78.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	11.9	68.3	75.1	78.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	11.9	68.8	75.9	79.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4500	12.9	68.9	76.0	79.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000	12.0	70.4	77.9	81.3	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	12.2	71.2	78.7	82.1	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	12.4	73.8	81.8	85.7	87.2	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	12.9	75.0	83.2	87.1	88.7	89.0	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	12.9	76.4	84.7	88.7	90.3	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	12.9	76.8	85.1	89.1	90.8	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1500	13.0	77.9	86.3	90.6	92.2	92.7	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	13.1	79.9	88.8	93.3	95.2	95.7	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	13.2	80.2	89.1	93.7	95.7	96.2	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	13.2	80.3	89.8	94.3	96.3	97.0	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	13.2	81.1	90.7	95.3	97.4	98.1	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	13.2	81.1	90.7	95.3	97.6	98.6	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	13.2	81.2	90.9	95.6	97.8	98.8	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	13.2	81.2	90.9	95.6	97.8	98.9	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	13.2	81.3	91.0	95.7	97.9	99.0	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	13.2	81.3	91.0	95.7	97.9	99.0	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	13.2	81.3	91.0	95.7	97.9	99.0	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	13.2	81.3	91.0	95.7	97.9	99.0	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	13.2	81.3	91.0	95.7	97.9	99.0	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	0
NO CEILING	9.6	55.8	60.7	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 20000	10.2	62.1	67.9	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	10.2	62.1	67.9	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	10.2	62.2	68.0	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 14000	10.7	63.3	69.1	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 12000	11.0	64.7	70.4	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	11.0	67.4	73.7	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	11.3	68.1	74.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	11.4	70.1	76.8	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	11.6	70.8	77.4	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 6000	11.6	70.9	77.8	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	11.9	72.2	79.6	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4500	11.9	72.2	79.6	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4000	12.1	73.9	81.7	84.1	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	12.3	75.4	83.3	85.8	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	12.8	77.7	85.7	88.4	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	12.9	78.9	87.1	90.0	91.3	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	13.1	79.9	88.3	91.3	92.8	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	13.1	80.2	88.7	91.7	93.1	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500	13.2	81.3	90.0	93.2	94.9	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	13.6	82.1	90.9	94.6	96.4	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	13.6	82.6	91.4	95.1	97.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	13.6	82.6	91.4	95.1	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	13.6	82.7	91.6	95.2	97.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	13.6	82.7	91.6	95.2	97.8	98.8	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	13.6	82.7	91.6	95.2	97.8	98.8	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	13.6	82.7	91.6	95.2	97.8	98.8	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	13.6	82.7	91.6	95.2	97.8	98.8	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	13.6	82.7	91.6	95.2	97.8	98.8	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	13.6	82.7	91.6	95.2	97.8	98.8	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	13.6	82.7	91.6	95.2	97.8	98.8	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	13.6	82.7	91.6	95.2	97.8	98.8	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	9.9	54.7	60.4	62.0	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	10.7	59.3	65.2	67.6	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000	10.7	59.8	65.7	68.0	68.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 16000	10.7	59.8	65.7	68.0	68.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 14000	10.7	60.4	66.3	68.7	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 12000	10.9	62.6	68.6	70.9	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	11.2	66.7	72.9	75.3	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 9000	11.4	67.1	73.6	76.0	76.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000	11.8	69.8	76.9	79.6	80.2	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	11.9	71.2	78.4	81.2	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	12.0	71.4	78.7	81.4	82.1	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000	12.0	72.4	79.8	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	12.0	72.4	80.1	82.9	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	12.4	74.3	82.2	85.0	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	12.4	75.0	83.1	85.9	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	12.8	77.0	85.3	88.1	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	12.9	78.6	87.0	89.8	90.8	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	13.2	79.6	88.3	91.4	92.7	93.9	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	13.2	79.6	88.3	91.6	92.9	94.1	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	13.2	80.1	88.9	92.7	94.2	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	13.4	80.9	89.7	93.9	95.4	97.1	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	13.4	81.1	90.1	94.3	96.0	97.8	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	13.4	81.1	90.1	94.3	96.0	97.8	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	13.4	81.1	90.1	94.3	96.2	98.1	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	13.4	81.1	90.2	94.4	96.4	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	13.4	81.1	90.3	94.7	96.7	98.8	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	13.4	81.2	90.4	94.8	96.8	99.0	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	13.4	81.3	90.6	94.9	96.9	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	13.4	81.3	90.6	94.9	96.9	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	13.4	81.3	90.6	94.9	96.9	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	13.4	81.3	90.6	94.9	96.9	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	13.4	81.3	90.6	94.9	96.9	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	9.4	55.6	60.8	63.1	63.6	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000	10.9	61.2	67.0	70.2	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	11.0	61.6	67.3	70.6	71.0	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 16000	11.0	61.6	67.3	70.6	71.0	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 14000	11.0	61.9	67.7	70.9	71.3	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 12000	11.4	63.9	70.0	73.3	73.8	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 10000	11.7	67.4	74.0	77.3	77.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	11.9	68.3	74.9	78.2	78.7	79.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 8000	12.3	71.0	78.0	81.4	82.3	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	12.3	72.0	79.0	82.4	83.3	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000	12.3	72.4	79.7	83.1	84.0	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000	12.3	73.4	80.8	84.3	85.2	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4500	12.3	73.7	81.3	84.9	85.8	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000	12.9	76.0	83.9	87.6	88.4	88.8	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	12.9	77.0	84.9	88.6	89.4	89.8	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000	12.9	77.6	85.9	89.7	90.7	91.2	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	12.9	78.0	86.3	90.2	91.6	92.2	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	12.9	78.9	87.4	91.7	93.3	94.0	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800	12.9	78.9	87.4	91.7	93.3	94.0	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	12.9	79.3	88.0	92.3	94.0	94.7	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	13.3	80.1	88.8	93.3	95.1	95.9	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	13.3	80.7	89.3	94.1	95.9	96.7	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	13.3	80.7	89.4	94.2	96.0	96.9	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	13.4	81.3	90.1	94.9	96.8	97.8	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	13.6	81.6	90.3	95.1	97.0	98.1	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	13.6	81.6	90.3	95.1	97.1	98.2	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	13.6	81.6	90.3	95.1	97.1	98.2	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	13.6	81.6	90.3	95.1	97.1	98.2	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	13.6	81.6	90.3	95.1	97.1	98.2	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	13.6	81.6	90.3	95.1	97.1	98.2	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	13.6	81.6	90.3	95.1	97.1	98.2	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	13.6	81.6	90.3	95.1	97.1	98.2	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	11.0	60.2	62.2	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
≥ 20000	12.1	64.8	67.2	69.4	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1
≥ 18000	12.2	64.9	67.3	69.6	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2
≥ 16000	12.2	64.9	67.3	69.6	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2
≥ 14000	12.2	65.7	68.2	70.4	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1
≥ 12000	12.4	66.3	69.0	71.2	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9
≥ 10000	13.2	70.7	73.8	76.0	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9
≥ 9000	13.3	71.3	74.4	76.7	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6
≥ 8000	13.4	74.7	78.1	80.3	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4
≥ 7000	13.4	75.2	78.8	81.0	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1
≥ 6000	13.4	76.3	79.8	82.1	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3
≥ 5000	13.4	77.3	80.8	83.1	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3
≥ 4500	13.4	77.3	81.0	83.3	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6
≥ 4000	13.7	80.2	84.1	86.7	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0
≥ 3500	13.7	80.8	84.7	87.2	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6
≥ 3000	13.7	82.1	86.3	89.1	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4
≥ 2500	13.8	82.9	87.3	90.6	91.6	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1
≥ 2000	14.1	84.6	89.0	92.3	93.6	93.7	94.0	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3
≥ 1800	14.1	84.6	89.0	92.3	93.6	93.7	94.0	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 1500	14.2	85.6	90.0	93.4	94.8	94.9	95.2	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
≥ 1200	14.3	86.3	91.2	94.8	96.1	96.3	96.7	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 1000	14.4	86.6	91.6	95.2	96.6	96.8	97.1	97.3	97.3	97.4	97.6	97.6	97.7	97.7	97.7	97.7
≥ 900	14.4	86.6	91.6	95.2	96.7	97.0	97.3	97.6	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9
≥ 800	15.0	87.3	92.6	96.3	97.8	98.1	98.4	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0
≥ 700	15.1	87.6	92.9	96.8	98.3	98.7	99.1	99.3	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 600	15.1	87.7	93.0	96.9	98.4	98.8	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8
≥ 500	15.1	87.7	93.0	96.9	98.6	98.9	99.3	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	15.1	87.8	93.1	97.0	98.7	99.0	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	15.1	87.8	93.1	97.0	98.7	99.0	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	15.1	87.8	93.1	97.0	98.7	99.0	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	15.1	87.8	93.1	97.0	98.7	99.0	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
0	15.1	87.8	93.1	97.0	98.7	99.0	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (L.S.T.))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	9.4	53.4	58.5	61.0	62.2	62.6	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 20000	10.2	58.4	64.0	67.0	68.3	68.7	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 18000	10.3	58.5	64.1	67.2	68.5	68.9	69.3	69.3	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5
≥ 16000	10.3	58.6	64.2	67.2	68.6	69.0	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6
≥ 14000	10.3	59.1	64.8	67.8	69.1	69.5	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 12000	10.6	60.4	66.3	69.4	70.8	71.2	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8
≥ 10000	11.1	64.0	70.2	73.5	74.9	75.3	75.7	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
≥ 9000	11.2	64.5	70.8	74.1	75.5	75.9	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000	11.5	67.4	74.1	77.5	79.0	79.4	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0
≥ 7000	11.6	68.2	74.9	78.3	79.8	80.2	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000	11.6	68.6	75.4	78.8	80.3	80.7	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 5000	11.6	69.8	76.8	80.2	81.7	82.2	82.5	82.6	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8
≥ 4500	11.6	69.9	77.0	80.5	82.0	82.5	82.8	82.9	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1
≥ 4000	11.9	72.2	79.6	83.2	84.9	85.4	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1
≥ 3500	12.0	73.0	80.5	84.1	85.8	86.3	86.7	86.8	86.8	86.9	86.9	86.9	86.9	87.0	87.0	87.0
≥ 3000	12.1	74.5	82.3	86.1	87.9	88.5	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	12.2	75.5	83.4	87.4	89.3	89.9	90.4	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	12.3	76.8	84.8	88.9	91.0	91.6	92.2	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6
≥ 1800	12.3	76.9	85.0	89.1	91.1	91.8	92.3	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.8	92.8
≥ 1500	12.4	77.7	85.9	90.2	92.4	93.1	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	12.6	78.6	87.1	91.6	93.9	94.7	95.4	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9
≥ 1000	12.7	79.2	87.8	92.4	94.8	95.7	96.4	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	12.7	79.3	88.1	92.8	95.3	96.3	97.0	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	12.9	79.8	88.8	93.6	96.1	97.2	98.0	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
≥ 700	12.9	80.0	89.1	93.9	96.5	97.6	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	12.9	80.2	89.3	94.1	96.7	97.9	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	12.9	80.2	89.3	94.1	96.9	98.2	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 400	12.9	80.2	89.3	94.2	97.0	98.3	99.2	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	12.9	80.2	89.4	94.2	97.0	98.3	99.2	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	12.9	80.2	89.4	94.2	97.0	98.3	99.2	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	12.9	80.2	89.4	94.2	97.0	98.3	99.2	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	12.9	80.2	89.4	94.2	97.0	98.3	99.2	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS - LST)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	14.2	54.4	58.3	61.3	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.1
≥ 20000	14.8	57.7	62.7	66.3	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4
≥ 18000	14.9	58.0	62.9	66.8	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.8
≥ 16000	14.9	58.0	62.9	66.8	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.8
≥ 14000	14.9	58.0	62.9	66.8	68.3	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0
≥ 12000	15.3	60.2	65.2	69.0	70.5	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3
≥ 10000	15.9	64.9	70.5	74.6	76.2	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.0
≥ 9000	15.9	65.5	71.1	75.2	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.5
≥ 8000	16.7	69.6	75.8	80.8	82.7	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.4
≥ 7000	16.9	70.5	76.8	81.8	84.6	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.7
≥ 6000	16.9	70.9	77.1	82.3	84.5	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.3
≥ 5000	17.0	71.7	78.4	83.9	86.1	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.9
≥ 4500	17.0	71.7	78.5	84.1	86.3	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
≥ 4000	17.0	73.5	80.6	86.3	88.8	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7
≥ 3500	17.0	73.8	81.2	87.2	89.7	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.5
≥ 3000	17.1	74.6	82.4	88.5	91.3	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.2
≥ 2500	17.1	76.2	84.2	90.5	93.4	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.3
≥ 2000	17.1	76.7	84.6	91.2	94.1	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.9
≥ 1800	17.1	76.8	84.7	91.3	94.2	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.1
≥ 1500	17.1	77.4	85.4	92.0	95.2	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1
≥ 1200	17.1	78.5	86.5	93.1	96.2	96.6	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.3
≥ 1000	17.2	79.0	87.0	93.7	96.8	97.1	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.8
≥ 900	17.2	79.4	87.4	94.1	97.2	97.5	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.4
≥ 800	17.2	79.9	88.0	94.9	98.1	98.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98	[illegible]	[illegible]
≥ 700	17.2	79.9	88.0	95.1	98.2	98.5	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.4
≥ 600	17.2	79.9	88.0	95.1	98.3	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.5
≥ 500	17.2	80.0	88.1	95.2	98.4	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.9
≥ 400	17.2	80.0	88.1	95.2	98.4	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.9
≥ 300	17.2	80.0	88.1	95.2	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	100.0
≥ 200	17.2	80.0	88.1	95.2	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	100.0
≥ 100	17.2	80.0	88.1	95.2	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	100.0
≥ 0	17.2	80.0	88.1	95.2	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	9.1	41.7	46.9	53.4	57.4	58.4	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	9.9	45.3	51.2	58.6	63.0	64.2	65.1	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8
≥ 18000	9.9	45.3	51.2	58.7	63.1	64.3	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 16000	9.9	45.3	51.2	58.7	63.1	64.3	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 14000	9.9	45.4	51.3	59.2	63.9	65.1	65.9	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7
≥ 12000	10.1	46.7	52.7	61.0	65.7	66.9	67.8	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8
≥ 10000	10.8	50.8	57.6	66.8	71.5	72.8	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 9000	10.8	50.8	57.6	66.8	71.5	72.8	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 8000	11.3	54.4	62.7	72.6	77.6	79.0	80.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2
≥ 7000	11.3	55.5	63.9	74.0	79.1	80.5	81.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
≥ 6000	11.4	55.9	64.3	74.4	79.6	81.0	81.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1
≥ 5000	11.4	57.2	65.8	76.0	81.2	82.6	83.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
≥ 4500	11.4	57.4	66.0	76.2	81.4	82.8	83.8	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9
≥ 4000	11.5	59.0	68.2	78.5	84.0	85.4	86.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5
≥ 3500	11.5	59.5	68.6	79.0	84.5	85.9	86.9	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1
≥ 3000	11.8	61.1	70.6	81.4	87.1	88.5	89.5	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.8	90.8
≥ 2500	11.8	61.8	71.5	82.7	88.5	89.9	90.9	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.2	92.2
≥ 2000	11.8	62.2	71.9	83.3	89.4	90.8	91.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	93.0	93.0
≥ 1800	11.8	62.4	72.2	83.7	89.7	91.1	92.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.3	93.3
≥ 1500	11.8	63.8	73.5	85.1	91.1	92.5	93.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8
≥ 1200	11.8	64.6	74.5	86.0	92.2	93.7	94.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0
≥ 1000	11.8	65.2	75.1	86.7	92.9	94.5	95.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 900	11.8	65.6	75.5	87.1	93.3	94.9	96.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 800	11.8	66.2	76.1	87.8	94.1	95.7	96.8	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥ 700	11.8	66.2	76.3	88.3	94.5	96.1	97.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 600	11.8	66.3	76.5	88.4	94.8	96.5	97.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 500	11.8	66.7	76.8	88.7	95.3	96.9	98.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 400	11.8	66.8	76.9	88.8	95.4	97.0	98.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 300	11.8	66.8	76.9	88.8	95.4	97.0	98.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	11.8	66.8	76.9	88.8	95.4	97.0	98.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	11.8	66.8	76.9	88.8	95.4	97.0	98.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
0	11.8	66.8	76.9	88.8	95.4	97.0	98.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	6.2	34.5	41.1	47.8	52.0	53.0	54.4	54.7	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1
≥ 20000	6.8	37.2	44.9	52.3	57.5	58.6	60.0	60.3	60.5	60.5	60.5	60.5	60.6	60.6	60.8	60.8
≥ 18000	6.8	37.2	44.9	52.3	57.5	58.6	60.0	60.3	60.5	60.5	60.5	60.5	60.6	60.6	60.8	60.8
≥ 16000	6.8	37.2	45.1	52.4	57.6	58.7	60.1	60.4	60.6	60.6	60.6	60.6	60.8	60.8	60.9	60.9
≥ 14000	6.8	37.6	45.6	53.0	58.4	59.5	60.9	61.2	61.4	61.4	61.4	61.4	61.5	61.5	61.6	61.6
≥ 12000	6.9	38.4	47.2	55.5	61.2	62.4	63.9	64.3	64.5	64.5	64.5	64.5	64.6	64.6	64.7	64.7
≥ 10000	7.0	41.2	51.4	60.5	66.6	67.8	69.4	69.9	70.3	70.3	70.3	70.4	70.5	70.5	70.6	70.6
≥ 9000	7.0	41.3	51.5	61.0	67.0	68.3	69.8	70.3	70.8	70.8	70.8	70.9	71.0	71.0	71.1	71.1
≥ 8000	7.5	44.5	55.5	65.7	72.4	73.8	75.3	75.8	76.2	76.2	76.2	76.3	76.5	76.5	76.6	76.6
≥ 7000	7.7	45.5	56.7	66.9	73.5	75.1	76.6	77.1	77.5	77.5	77.5	77.6	77.7	77.7	77.8	77.8
≥ 6000	7.7	45.8	57.1	67.5	74.3	75.8	77.4	78.0	78.4	78.4	78.4	78.5	78.6	78.6	78.7	78.7
≥ 5000	8.0	47.1	58.5	69.4	76.1	77.6	79.4	79.9	80.3	80.3	80.3	80.4	80.5	80.5	80.6	80.6
≥ 4500	8.0	47.1	58.5	69.4	76.1	77.6	79.4	79.9	80.3	80.3	80.3	80.4	80.5	80.5	80.6	80.6
≥ 4000	8.3	48.5	60.4	71.8	79.4	81.0	82.8	83.4	83.9	83.9	83.9	84.0	84.1	84.1	84.2	84.2
≥ 3500	8.3	48.8	60.9	72.5	80.0	81.7	83.5	84.2	84.6	84.6	84.6	84.7	84.8	84.8	84.9	84.9
≥ 3000	8.3	49.8	62.2	74.0	81.7	83.4	85.4	86.0	86.5	86.5	86.5	86.6	86.7	86.7	86.8	86.8
≥ 2500	8.3	50.2	63.0	74.9	82.7	84.5	86.6	87.2	87.6	87.6	87.6	87.7	87.8	87.8	88.0	88.0
≥ 2000	8.4	51.4	64.2	76.2	84.1	85.9	88.1	88.7	89.1	89.1	89.1	89.2	89.4	89.4	89.5	89.5
≥ 1800	8.4	51.7	64.6	76.8	84.9	86.8	88.9	89.6	90.0	90.0	90.0	90.1	90.2	90.2	90.3	90.3
≥ 1500	8.4	52.6	65.7	78.1	86.9	88.7	90.9	91.5	91.9	91.9	91.9	92.0	92.2	92.2	92.3	92.3
≥ 1200	8.4	53.3	66.6	79.1	88.4	90.2	92.4	93.1	93.5	93.5	93.5	93.7	93.8	93.8	93.9	93.9
≥ 1000	8.4	53.9	67.3	80.2	89.5	91.3	93.5	94.4	94.8	94.8	94.8	94.9	95.1	95.1	95.2	95.2
≥ 900	8.4	54.3	67.8	80.8	90.1	92.0	94.3	95.3	95.7	95.7	95.7	95.8	95.9	95.9	96.0	96.0
≥ 800	8.4	54.7	68.5	81.6	91.0	92.9	95.2	96.1	96.6	96.7	96.7	96.8	97.0	97.0	97.2	97.2
≥ 700	8.4	55.1	68.8	82.0	91.4	93.3	95.6	96.6	97.1	97.2	97.2	97.3	97.5	97.5	97.7	97.7
≥ 600	8.4	55.2	69.0	82.3	91.6	93.5	95.9	97.0	97.5	97.7	97.7	97.8	98.1	98.1	98.3	98.3
≥ 500	8.4	55.3	69.1	82.5	91.9	93.9	96.3	97.4	98.0	98.2	98.2	98.3	98.5	98.5	98.7	98.7
≥ 400	8.4	55.4	69.2	82.6	92.2	94.5	97.1	98.2	98.7	98.9	98.9	99.0	99.2	99.2	99.5	99.5
≥ 300	8.4	55.4	69.2	82.6	92.3	94.6	97.3	98.5	99.0	99.4	99.4	99.5	99.7	99.7	100.0	100.0
≥ 200	8.4	55.4	69.2	82.6	92.3	94.6	97.3	98.5	99.0	99.4	99.4	99.5	99.7	99.7	100.0	100.0
≥ 100	8.4	55.4	69.2	82.6	92.3	94.6	97.3	98.5	99.0	99.4	99.4	99.5	99.7	99.7	100.0	100.0
≥ 0	8.4	55.4	69.2	82.6	92.3	94.6	97.3	98.5	99.0	99.4	99.4	99.5	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM FEB 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	8.5	42.6	49.2	54.7	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	10.3	47.1	54.2	60.3	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000	10.3	47.1	54.2	60.3	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 16000	10.3	47.2	54.3	60.4	62.6	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	10.3	47.7	54.8	61.3	63.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	10.8	49.6	57.2	64.1	66.3	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 10000	10.9	52.5	61.4	68.4	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 9000	11.1	52.9	61.8	68.9	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000	11.7	56.8	66.5	73.7	76.6	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000	11.9	57.2	66.9	74.2	77.2	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	11.9	57.5	67.2	74.8	78.1	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	11.9	58.0	68.1	75.9	79.1	79.5	79.8	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4500	12.0	58.3	68.4	76.3	79.6	79.9	80.2	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5
≥ 4000	12.2	59.5	70.0	78.0	81.6	81.9	82.3	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	12.2	59.6	70.4	78.6	82.4	82.7	83.0	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	12.2	61.1	72.3	81.3	85.4	85.7	86.2	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	12.3	62.3	73.8	82.9	87.1	87.4	88.0	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	12.6	63.2	74.9	84.7	89.2	89.7	90.3	90.4	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	12.6	63.2	75.1	84.8	89.5	89.9	90.5	90.6	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500	12.6	65.2	77.4	87.5	92.3	92.8	93.5	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	12.6	66.5	79.1	89.2	94.0	94.5	95.3	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	12.6	68.0	80.8	91.0	95.7	96.2	97.2	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	12.6	68.2	81.0	91.3	96.0	96.6	97.6	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	12.6	68.4	81.3	91.6	96.3	97.0	98.1	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	12.6	68.6	81.5	91.8	96.6	97.2	98.3	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	12.6	68.6	81.5	91.8	96.6	97.2	98.4	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	12.6	68.6	81.6	92.0	96.8	97.4	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	12.6	68.7	81.8	92.3	97.1	97.7	98.9	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	12.6	68.7	81.8	92.3	97.1	97.7	98.9	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	12.6	68.7	81.8	92.3	97.1	97.7	98.9	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	12.6	68.7	81.8	92.3	97.1	97.7	98.9	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	12.6	68.7	81.8	92.3	97.1	97.7	98.9	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	9.1	43.8	50.9	56.0	57.5	57.7	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	10.6	47.7	56.1	62.2	63.9	64.2	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 18000	10.6	48.0	56.3	62.4	64.1	64.4	64.6	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	10.6	48.2	56.6	62.6	64.3	64.6	64.8	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	10.9	48.6	57.0	63.2	64.9	65.3	65.5	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	11.0	49.6	58.1	64.7	66.6	66.9	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	11.7	54.2	63.4	70.5	72.7	73.0	73.2	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000	11.7	54.4	63.8	70.9	73.2	73.7	73.9	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	12.3	56.3	66.2	73.5	76.3	76.8	77.0	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 7000	12.3	56.7	66.8	74.2	77.0	77.4	77.6	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 6000	12.3	57.0	67.1	74.9	77.7	78.2	78.4	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000	12.4	58.1	68.5	76.7	79.7	80.2	80.4	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	12.4	58.1	68.7	76.9	79.9	80.4	80.6	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	12.4	60.2	71.0	79.2	82.9	83.5	83.8	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	12.6	61.1	71.8	80.2	84.1	84.7	84.9	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	12.6	62.7	74.2	83.3	88.0	88.6	88.9	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	12.6	64.4	76.1	85.3	90.2	90.9	91.2	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	12.7	65.5	77.4	86.9	91.8	92.5	92.8	93.4	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0
≥ 1800	12.7	66.0	78.1	87.6	92.6	93.2	93.5	94.2	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7
≥ 1500	12.7	66.9	79.4	89.0	94.2	94.8	95.2	95.9	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5
≥ 1200	12.7	67.3	80.2	90.0	95.4	96.0	96.3	97.1	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6
≥ 1000	12.7	67.6	80.8	90.5	96.0	96.8	97.1	97.8	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 900	12.7	67.7	80.9	90.8	96.1	96.9	97.2	98.0	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
≥ 800	12.7	68.1	81.3	91.3	96.7	97.4	97.7	98.5	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 700	12.7	68.2	81.4	91.4	96.8	97.5	98.0	98.7	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 600	12.7	68.3	81.5	91.5	97.0	97.7	98.4	99.1	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 500	12.7	68.4	81.6	91.6	97.1	97.8	98.5	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	12.7	68.4	81.6	91.6	97.1	97.8	98.5	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	12.7	68.4	81.6	91.6	97.1	97.8	98.5	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	12.7	68.4	81.6	91.6	97.1	97.8	98.5	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100	12.7	68.4	81.6	91.6	97.1	97.8	98.5	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
0	12.7	68.4	81.6	91.6	97.1	97.8	98.5	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 57-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	10.9	43.4	52.0	59.0	61.6	61.9	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 20000	11.8	46.8	56.0	63.8	67.1	67.4	67.7	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000	11.8	46.8	56.0	63.8	67.1	67.4	67.7	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	11.8	46.8	56.0	63.8	67.1	67.4	67.7	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 14000	12.0	47.5	56.9	64.7	68.1	68.4	68.7	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	12.5	48.8	58.5	67.0	70.3	70.6	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	13.0	51.8	61.8	71.2	74.6	74.9	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	13.0	52.4	62.4	71.7	75.3	75.6	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	13.4	55.5	66.1	76.1	79.8	80.2	80.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	13.4	55.7	66.8	77.2	80.9	81.3	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	13.4	55.9	67.0	77.4	81.1	81.5	81.9	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000	13.4	56.7	67.8	78.3	82.3	82.8	83.3	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500	13.7	57.0	68.2	78.6	82.6	83.1	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	13.7	58.9	70.3	81.3	85.3	85.8	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	13.7	59.6	71.3	82.9	87.2	87.7	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	13.7	61.0	73.8	86.1	91.3	91.9	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2500	13.9	61.9	74.7	87.1	92.3	93.0	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	14.1	63.2	76.1	88.7	94.1	94.8	95.7	96.0	96.2	96.2	96.3	96.3	96.5	96.5	96.5	96.5
≥ 1800	14.1	63.2	76.2	89.0	94.4	95.2	96.0	96.3	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8
≥ 1500	14.1	63.9	77.1	90.0	95.4	96.1	97.2	97.5	97.7	97.7	98.0	98.0	98.1	98.1	98.1	98.1
≥ 1200	14.1	64.1	77.4	90.5	95.9	96.7	97.7	98.1	98.3	98.3	98.5	98.5	98.6	98.6	98.6	98.6
≥ 1000	14.1	64.2	77.5	90.6	96.2	97.0	98.1	98.4	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 900	14.1	64.2	77.5	90.6	96.3	97.1	98.2	98.5	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.2
≥ 800	14.1	64.4	77.8	91.1	96.8	97.5	98.6	98.9	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 700	14.1	64.4	77.8	91.1	96.8	97.5	98.6	99.0	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 600	14.1	64.4	77.8	91.1	96.8	97.5	98.6	99.0	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9
≥ 500	14.1	64.4	77.8	91.1	96.8	97.5	98.7	99.1	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0
≥ 400	14.1	64.4	77.8	91.1	96.8	97.5	98.7	99.1	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0
≥ 300	14.1	64.4	77.8	91.1	96.8	97.5	98.7	99.1	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200	14.1	64.4	77.8	91.1	96.8	97.5	98.7	99.1	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	14.1	64.4	77.8	91.1	96.8	97.5	98.7	99.1	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	14.1	64.4	77.8	91.1	96.8	97.5	98.7	99.1	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	11.2	44.8	51.1	56.5	58.7	59.4	59.8	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	12.0	47.6	54.7	61.3	64.2	64.8	65.3	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000	12.0	47.6	54.8	61.8	64.7	65.4	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 16000	12.0	47.6	54.8	61.8	64.7	65.4	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 14000	12.3	48.1	55.5	62.5	65.4	66.0	66.5	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 12000	12.7	50.1	57.8	65.7	68.6	69.2	69.7	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	13.4	55.1	63.1	71.8	74.9	75.7	76.1	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000	13.4	55.5	63.5	72.3	75.4	76.1	76.6	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	14.2	58.7	67.7	76.8	80.2	81.0	81.5	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 7000	14.2	59.5	68.7	78.1	81.6	82.5	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	14.2	59.7	69.0	78.4	81.9	82.8	83.3	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000	14.4	60.4	70.0	79.7	83.5	84.6	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4500	14.6	61.0	70.5	80.2	84.1	85.2	85.7	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	14.6	62.4	72.0	81.9	86.7	87.8	88.7	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	14.8	62.8	73.1	83.1	88.0	89.2	90.2	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3000	14.8	63.5	74.5	85.2	90.6	92.0	93.1	93.1	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	14.8	64.4	75.5	86.3	92.2	93.5	94.8	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	14.8	64.7	75.8	87.2	93.2	94.7	96.0	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	14.8	64.8	75.9	87.5	93.5	95.1	96.3	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	14.8	64.9	76.1	87.7	93.9	95.4	96.7	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	15.2	65.9	77.3	89.0	95.4	96.9	98.2	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	15.2	66.2	77.7	89.7	96.3	97.8	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	15.2	66.2	77.7	89.7	96.3	97.8	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
> 0	15.2	66.2	77.8	89.8	96.5	98.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	15.1	54.9	59.8	61.7	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	15.5	58.6	64.2	66.6	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 18000	15.5	58.6	64.5	67.0	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 16000	15.5	58.6	64.5	67.0	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 14000	15.5	58.7	64.9	67.4	67.8	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	15.8	61.7	68.1	70.8	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	16.5	65.5	72.4	75.1	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	16.5	65.9	72.9	75.6	76.2	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000	16.8	70.1	77.5	80.5	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 7000	16.8	71.1	78.5	81.7	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000	16.8	71.6	79.0	82.4	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
5000	16.8	72.5	80.1	83.8	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	16.8	72.6	80.2	83.9	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4000	16.8	75.2	83.4	87.6	88.8	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	16.8	76.7	85.1	89.7	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	16.9	78.2	86.7	91.8	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2500	16.9	78.9	87.7	93.3	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2400	16.9	79.2	88.1	93.9	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	16.9	79.4	88.2	94.0	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	16.9	80.2	89.1	95.3	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	16.9	80.8	89.7	95.9	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	16.9	81.1	90.1	96.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	16.9	81.1	90.1	96.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	16.9	81.6	90.6	97.3	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	16.9	81.6	90.6	97.3	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	16.9	81.6	90.6	97.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	16.9	81.6	90.6	97.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	16.9	81.6	90.6	97.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	16.9	81.6	90.6	97.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
> 200	16.9	81.6	90.6	97.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	16.9	81.6	90.6	97.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	16.9	81.6	90.6	97.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) JUL (MONTH)

ALL (HOURS LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	10.5	45.0	51.2	56.3	58.6	59.0	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	11.5	48.5	55.5	61.4	64.1	64.6	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5
≥ 18000	11.5	48.6	55.6	61.6	64.3	64.8	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
≥ 16000	11.5	48.6	55.7	61.7	64.4	64.9	65.3	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7
≥ 14000	11.6	49.0	56.1	62.3	65.0	65.5	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4
≥ 12000	11.9	50.6	58.1	64.7	67.6	68.1	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0
≥ 10000	12.4	54.5	62.7	69.9	72.9	73.5	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5
≥ 9000	12.4	54.8	63.1	70.3	73.4	74.0	74.5	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
≥ 8000	13.0	59.2	67.3	75.0	78.4	79.0	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0
≥ 7000	13.1	59.0	68.1	76.0	79.5	80.1	80.6	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
≥ 6000	13.2	59.3	68.5	76.5	80.1	80.7	81.2	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8
≥ 5000	13.2	60.2	69.7	77.9	81.6	82.3	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4
≥ 4500	13.2	60.4	69.9	78.2	81.8	82.5	83.1	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.7
≥ 4000	13.3	62.2	72.0	80.6	84.7	85.4	86.0	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.7
> 3500	13.3	62.7	72.8	81.7	85.9	86.6	87.3	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9
≥ 3000	13.4	64.0	74.6	84.0	88.7	89.4	90.2	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.9
≥ 2500	13.5	65.0	75.8	85.4	90.2	91.0	91.8	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.5	92.5
≥ 2000	13.5	65.8	76.6	86.5	91.5	92.3	93.1	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
≥ 1800	13.5	65.9	76.9	86.8	91.9	92.7	93.5	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.3
≥ 1500	13.5	66.9	78.0	88.1	93.3	94.2	95.0	95.4	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8
≥ 1200	13.6	67.6	78.9	89.1	94.5	95.3	96.2	96.	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 1000	13.6	68.1	79.5	89.9	95.3	96.2	97.2	97.6	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.1
≥ 900	13.6	68.3	79.7	90.1	95.6	96.5	97.4	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.4
≥ 800	13.6	68.7	80.2	90.7	96.1	97.1	98.0	98.5	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0
≥ 700	13.6	68.8	80.3	90.8	96.3	97.2	98.2	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.2	99.2
≥ 600	13.6	68.8	80.3	90.9	96.4	97.4	98.4	98.9	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4
≥ 500	13.6	68.9	80.4	91.0	96.6	97.5	98.6	99.1	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.7
≥ 400	13.6	68.9	80.5	91.1	96.6	97.6	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
≥ 300	13.6	68.9	80.5	91.1	96.7	97.7	98.8	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0
≥ 200	13.6	68.9	80.5	91.1	96.7	97.7	98.8	99.4	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100	13.6	68.9	80.5	91.1	96.7	97.7	98.8	99.4	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0	13.6	68.9	80.5	91.1	96.7	97.7	98.8	99.4	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700 (HOURS (L.S.T.))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥⅜	≥0
NO CEILING	8.0	54.8	59.5	65.5	67.1	67.2	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 20000	9.0	59.5	64.7	71.5	73.7	73.9	74.0	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 18000	9.0	59.5	64.7	71.5	73.7	73.9	74.0	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 16000	9.0	59.5	64.7	71.5	73.7	73.9	74.0	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 14000	9.1	59.7	64.9	71.7	73.9	74.1	74.2	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 12000	9.8	62.3	67.5	74.3	76.5	76.7	76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 10000	10.8	67.1	72.7	79.8	81.9	82.2	82.3	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.5	82.6
≥ 9000	11.0	67.7	73.3	80.4	82.6	82.8	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	11.2	71.1	76.9	84.0	86.2	86.5	86.6	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 7000	11.2	72.4	78.2	85.3	87.5	87.7	87.8	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 6000	11.2	72.5	78.3	85.4	87.6	87.8	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 5000	11.5	73.5	79.4	86.6	88.8	89.0	89.1	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4500	11.5	73.9	79.7	86.9	89.1	89.4	89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4000	11.6	75.3	81.3	88.5	90.9	91.1	91.2	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	11.6	75.8	81.8	89.0	91.4	91.6	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	11.7	77.2	83.7	91.3	93.8	94.0	94.1	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2500	11.7	77.5	84.0	91.6	94.1	94.3	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	11.9	78.1	84.6	92.4	94.9	95.3	95.5	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	12.0	78.5	85.1	92.8	95.4	95.7	95.9	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	12.0	78.8	85.6	93.4	96.0	96.3	96.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	12.2	79.0	85.9	93.9	96.7	97.0	97.2	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	12.2	79.2	86.2	94.4	97.3	97.6	97.8	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	12.2	79.4	86.5	94.7	97.6	98.0	98.2	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	12.2	79.5	86.7	95.1	98.0	98.3	98.5	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	12.2	79.6	86.8	95.2	98.1	98.4	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	12.2	79.6	86.8	95.3	98.2	98.5	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	12.2	79.7	86.9	95.4	98.3	98.6	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	12.2	79.7	86.9	95.4	98.3	98.6	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	12.2	79.8	87.0	95.5	98.4	98.7	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	12.2	79.8	87.0	95.5	98.4	98.7	98.9	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	12.2	79.8	87.0	95.5	98.4	98.7	98.9	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	12.2	79.8	87.0	95.5	98.4	98.7	98.9	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	6.9	50.8	55.8	61.0	64.0	64.7	65.3	65.6	65.7	66.5	66.5	66.5	66.6	66.6	66.6	66.8
≥ 20000	7.6	53.9	59.6	65.5	68.8	69.6	70.1	70.4	70.5	71.6	71.6	71.6	71.7	71.7	71.7	71.9
≥ 18000	7.6	53.9	59.6	65.5	68.8	69.6	70.1	70.4	70.5	71.6	71.6	71.6	71.7	71.7	71.7	71.9
≥ 16000	7.6	53.9	59.6	65.5	68.8	69.6	70.1	70.4	70.5	71.6	71.6	71.6	71.7	71.7	71.7	71.9
≥ 14000	7.8	54.2	59.9	65.8	69.1	69.9	70.4	70.8	70.9	71.9	71.9	71.9	72.0	72.0	72.0	72.3
≥ 12000	8.0	54.5	60.5	66.6	69.9	70.6	71.2	71.5	71.6	72.7	72.7	72.7	72.8	72.8	72.8	73.0
≥ 10000	8.5	58.7	65.4	72.0	75.5	76.2	76.8	77.1	77.2	78.3	78.3	78.3	78.4	78.4	78.4	78.6
≥ 9000	8.5	58.9	65.7	72.4	75.8	76.6	77.1	77.4	77.5	78.6	78.6	78.6	78.7	78.7	78.7	78.9
≥ 8000	8.7	62.3	69.1	76.5	80.2	81.0	81.5	81.8	81.9	83.0	83.0	83.0	83.1	83.1	83.1	83.3
≥ 7000	8.7	63.2	70.1	77.4	81.2	81.9	82.5	82.8	82.9	84.0	84.0	84.0	84.1	84.1	84.1	84.3
≥ 6000	8.7	63.9	70.8	78.1	81.8	82.6	83.1	83.4	83.5	84.6	84.6	84.6	84.7	84.7	84.7	84.9
≥ 5000	8.9	64.7	71.6	79.1	83.0	83.8	84.3	84.6	84.7	85.8	85.8	85.8	85.9	85.9	85.9	86.1
≥ 4500	8.9	64.9	71.8	79.4	83.2	84.0	84.5	84.8	84.9	86.0	86.0	86.0	86.1	86.1	86.1	86.3
≥ 4000	8.9	66.1	73.2	80.9	84.7	85.5	86.0	86.3	86.5	87.5	87.5	87.5	87.6	87.6	87.6	87.8
≥ 3500	8.9	66.8	73.9	81.5	85.6	86.3	86.9	87.2	87.3	88.4	88.4	88.4	88.5	88.5	88.5	88.7
≥ 3000	8.9	68.6	76.3	84.7	88.9	89.7	90.2	90.5	90.6	91.7	91.7	91.7	91.8	91.8	91.8	92.0
≥ 2500	8.9	68.8	76.6	84.9	89.1	89.9	90.4	90.8	90.9	91.9	91.9	91.9	92.0	92.0	92.0	92.3
≥ 2000	9.2	69.2	77.2	85.7	89.9	90.6	91.2	91.5	91.6	92.7	92.7	92.7	92.8	92.8	92.8	93.0
≥ 1800	9.2	69.7	77.6	86.3	90.5	91.3	91.8	92.2	92.3	93.3	93.3	93.3	93.4	93.4	93.4	93.7
≥ 1500	9.4	69.9	77.8	86.6	90.8	91.5	92.0	92.4	92.5	93.5	93.5	93.5	93.7	93.7	93.7	93.9
≥ 1200	9.5	70.6	78.6	87.6	91.9	92.7	93.2	93.5	93.7	94.7	94.7	94.7	94.8	94.8	94.8	95.1
≥ 1000	9.5	71.4	79.4	88.6	93.1	93.9	94.5	94.8	94.9	96.0	96.0	96.0	96.1	96.1	96.1	96.3
≥ 900	9.6	72.0	80.0	89.2	93.8	94.5	95.2	95.5	95.6	96.7	96.7	96.7	96.8	96.8	96.8	97.0
≥ 800	9.6	72.6	81.0	90.2	94.7	95.5	96.1	96.5	96.6	97.6	97.6	97.6	97.7	97.7	97.7	98.0
≥ 700	9.6	72.6	81.1	90.3	94.8	95.6	96.2	96.6	96.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 600	9.6	72.6	81.1	90.5	95.1	95.8	96.5	96.8	96.9	98.0	98.0	98.0	98.1	98.1	98.1	98.3
≥ 500	9.6	73.1	81.7	91.2	95.7	96.6	97.2	97.5	97.6	98.7	98.7	98.7	98.9	98.9	98.9	99.1
≥ 400	9.6	73.1	81.7	91.2	95.7	96.6	97.2	97.5	97.6	98.7	98.7	98.7	98.9	98.9	98.9	99.1
≥ 300	9.6	73.1	81.7	91.3	95.8	96.7	97.4	97.7	97.8	98.9	98.9	98.9	99.1	99.1	99.1	99.4
≥ 200	9.6	73.1	81.7	91.3	95.8	96.7	97.4	97.7	98.0	99.0	99.0	99.1	99.4	99.4	99.4	99.7
≥ 100	9.6	73.1	81.7	91.3	95.8	96.7	97.4	97.7	98.0	99.0	99.0	99.2	99.5	99.5	99.5	99.8
0	9.6	73.1	81.7	91.3	95.8	96.7	97.4	97.7	98.0	99.0	99.0	99.2	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	4.9	35.8	43.7	49.9	54.9	57.1	58.7	59.6	59.8	60.1	60.8	60.8	60.9	60.9	61.1	61.2
≥ 20000	5.1	37.8	47.5	54.3	59.7	62.4	64.2	65.2	65.4	65.8	66.6	66.6	66.7	66.7	66.9	67.0
≥ 18000	5.1	38.0	47.6	54.4	59.8	62.5	64.3	65.3	65.5	65.9	66.7	66.7	66.8	66.8	67.0	67.1
≥ 16000	5.1	38.0	47.6	54.4	59.8	62.5	64.3	65.3	65.5	65.9	66.7	66.7	66.8	66.8	67.0	67.1
≥ 14000	5.1	38.6	48.6	55.4	60.8	63.4	65.6	66.6	66.8	67.2	68.0	68.0	68.1	68.1	68.3	68.4
≥ 12000	5.2	40.4	50.5	57.7	63.1	65.9	68.1	69.1	69.4	69.9	70.6	70.6	70.8	70.8	71.0	71.1
≥ 10000	5.4	42.5	53.7	61.7	67.5	70.3	72.5	73.5	73.8	74.4	75.2	75.2	75.3	75.3	75.5	75.6
≥ 9000	5.4	42.6	54.0	62.0	68.0	70.8	72.9	74.0	74.2	74.8	75.6	75.6	75.7	75.7	75.9	76.0
≥ 8000	5.6	45.2	57.8	66.3	72.4	75.2	77.3	78.5	78.7	79.4	80.1	80.1	80.2	80.2	80.4	80.5
≥ 7000	5.6	46.1	58.9	67.6	73.8	76.6	78.7	79.9	80.1	80.8	81.5	81.5	81.6	81.6	81.8	81.9
≥ 6000	5.6	46.6	59.5	68.2	74.4	77.2	79.5	80.6	80.9	81.6	82.4	82.4	82.5	82.5	82.7	82.8
≥ 5000	5.6	46.8	59.8	68.7	74.9	77.7	80.0	81.2	81.4	82.2	82.9	82.9	83.0	83.0	83.2	83.3
≥ 4500	5.7	47.0	60.0	69.1	75.4	78.2	80.4	81.6	81.8	82.6	83.4	83.4	83.5	83.5	83.8	83.9
≥ 4000	5.7	47.7	60.8	70.0	76.3	79.4	81.6	82.9	83.1	84.0	84.8	84.8	84.9	84.9	85.2	85.3
≥ 3500	5.7	48.2	61.3	70.5	77.1	80.2	82.5	83.8	84.0	84.8	85.7	85.7	85.8	85.8	86.0	86.1
≥ 3000	5.7	48.7	61.9	71.3	78.1	81.3	83.5	84.8	85.2	86.1	87.0	87.0	87.1	87.1	87.3	87.4
≥ 2500	5.7	49.1	62.6	72.2	78.9	82.2	84.4	85.7	86.0	87.0	87.8	87.8	88.0	88.0	88.2	88.3
≥ 2000	5.8	49.6	63.2	72.9	79.8	83.0	85.3	86.6	87.1	88.1	88.9	88.9	89.0	89.0	89.2	89.4
≥ 1800	5.8	49.6	63.3	73.1	80.0	83.2	85.5	86.8	87.3	88.3	89.1	89.1	89.2	89.2	89.5	89.6
≥ 500	6.2	50.8	64.7	74.6	81.5	84.7	87.0	88.3	88.8	90.0	90.9	90.9	91.0	91.0	91.2	91.3
≥ 1200	6.8	51.8	66.2	76.3	83.3	86.6	88.9	90.3	90.9	92.0	92.9	92.9	93.0	93.0	93.2	93.3
≥ 1000	6.8	52.3	66.8	77.2	84.4	87.6	90.3	91.7	92.3	93.4	94.3	94.3	94.4	94.4	94.6	94.7
≥ 900	6.8	52.7	67.4	78.0	85.3	88.5	91.2	92.6	93.1	94.3	95.2	95.2	95.3	95.3	95.5	95.6
≥ 800	6.9	53.4	68.4	79.0	86.5	89.7	92.4	93.8	94.4	95.6	96.5	96.5	96.6	96.6	96.8	96.9
≥ 700	6.9	53.5	68.7	79.5	87.0	90.3	93.1	94.5	95.2	96.3	97.2	97.2	97.3	97.3	97.5	97.6
≥ 600	6.9	53.5	68.8	79.8	87.3	90.6	93.4	94.8	95.5	96.7	97.5	97.5	97.6	97.6	97.8	98.0
≥ 500	6.9	54.1	69.5	80.6	88.4	91.8	94.6	96.1	96.8	98.0	98.8	98.8	98.9	98.9	99.1	99.2
≥ 400	6.9	54.2	69.7	80.9	88.6	92.0	94.8	96.3	97.0	98.2	99.0	99.0	99.1	99.1	99.4	99.5
≥ 300	6.9	54.2	69.7	80.9	88.6	92.0	94.8	96.5	97.1	98.3	99.1	99.1	99.2	99.2	99.5	99.6
≥ 200	6.9	54.2	69.7	80.9	88.6	92.0	94.8	96.5	97.1	98.5	99.5	99.5	99.7	99.7	99.9	100.0
≥ 100	6.9	54.2	69.7	80.9	88.6	92.0	94.8	96.5	97.1	98.5	99.5	99.5	99.7	99.7	99.9	100.0
≥ 0	6.9	54.2	69.7	80.9	88.6	92.0	94.8	96.5	97.1	98.5	99.5	99.5	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	8.5	47.2	54.1	59.7	63.4	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	9.1	50.2	58.5	64.5	68.4	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 18000	9.1	50.4	58.7	64.7	68.6	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	9.1	50.4	58.7	64.7	68.6	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 14000	9.1	51.4	59.8	65.9	69.9	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 12000	9.2	53.3	62.0	68.2	72.3	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 10000	9.6	57.0	66.3	72.9	77.0	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 9000	9.6	57.2	66.8	73.4	77.5	78.9	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	9.6	58.7	69.4	76.1	80.2	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	9.7	59.4	70.0	76.8	80.9	82.3	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000	9.7	59.5	70.1	76.9	81.0	82.4	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000	9.7	59.8	70.5	77.3	81.4	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	9.7	60.0	70.8	77.5	81.6	83.0	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	9.7	61.1	71.9	78.8	83.0	84.4	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	9.7	61.3	72.2	79.2	83.7	85.1	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	9.8	63.0	74.4	81.9	86.8	88.2	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	10.0	63.7	75.1	82.7	87.6	89.1	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2000	10.0	64.3	76.0	83.9	88.9	90.5	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800	10.0	64.8	76.7	84.5	89.6	91.2	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	10.1	66.1	78.2	86.5	91.6	93.2	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	10.6	67.2	80.2	88.7	94.0	95.8	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	10.8	68.0	81.1	89.7	94.9	96.8	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	10.9	68.1	81.4	90.0	95.3	97.1	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	10.9	68.4	81.8	90.4	95.7	97.5	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	10.9	68.6	82.2	90.8	96.1	98.0	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	10.9	68.6	82.5	91.3	96.7	98.6	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	10.9	68.6	82.5	91.3	96.7	98.6	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	10.9	68.6	82.5	91.3	96.7	98.6	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	10.9	68.6	82.5	91.3	96.7	98.6	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	10.9	68.6	82.5	91.3	96.7	98.6	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	10.9	68.6	82.5	91.3	96.7	98.6	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	10.9	68.6	82.5	91.3	96.7	98.6	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible] 12 STATION NUMBER | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	6.8	50.1	58.6	64.5	66.6	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	8.4	54.9	64.3	70.9	73.3	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000	8.4	55.3	64.6	71.2	73.7	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000	8.4	55.3	64.6	71.2	73.7	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	8.5	56.5	65.8	72.4	74.8	75.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	9.0	58.3	67.6	74.3	76.8	77.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 10000	9.2	61.6	71.1	78.2	80.8	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 9000	9.4	61.9	71.6	78.9	81.8	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 8000	9.4	63.7	74.1	81.5	84.4	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 7000	9.7	64.5	74.9	82.4	85.3	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	9.7	64.6	75.1	82.5	85.4	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000	9.7	65.3	75.8	83.3	86.2	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 4500	9.7	65.4	75.9	83.4	86.3	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4000	9.7	66.5	77.0	84.5	87.6	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3500	9.7	67.4	78.0	85.5	88.6	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000	9.8	69.8	81.3	89.6	93.0	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500	9.8	70.4	82.3	90.5	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	9.9	71.5	84.0	92.5	95.9	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	10.0	71.7	84.2	92.7	96.1	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	10.1	72.4	84.8	93.4	97.0	97.7	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	10.1	72.5	84.9	93.5	97.1	97.8	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	10.1	72.6	85.1	93.7	97.2	98.0	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	10.1	72.6	85.1	93.7	97.2	98.0	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	10.1	72.9	85.4	94.0	97.5	98.3	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	10.1	73.0	85.5	94.1	97.6	98.4	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	10.1	73.1	85.8	94.4	98.0	98.8	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	10.1	73.1	85.8	94.4	98.0	98.8	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	10.1	73.1	85.8	94.4	98.0	98.8	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	10.1	73.1	85.8	94.4	98.0	98.8	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	10.1	73.1	85.8	94.4	98.0	98.8	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	10.1	73.1	85.8	94.4	98.0	98.8	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
0	10.1	73.1	85.8	94.4	98.0	98.8	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	7.7	45.7	54.4	61.8	64.8	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 20000	8.5	48.7	58.6	67.0	70.2	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	8.7	49.0	58.9	67.3	70.5	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	8.7	49.0	58.9	67.3	70.5	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	8.7	49.6	59.7	68.1	71.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	8.7	52.5	62.6	71.0	74.2	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 10000	9.0	55.3	65.7	74.2	77.5	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 9000	9.0	55.7	66.5	74.9	78.6	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	9.2	57.2	68.5	77.2	80.9	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000	9.2	57.5	68.9	77.7	81.4	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	9.6	58.7	70.2	79.0	82.7	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	9.6	60.8	72.5	81.3	84.9	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	9.6	61.1	73.0	81.8	85.5	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	9.6	63.0	75.1	84.0	87.8	88.4	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3500	9.6	63.8	76.1	85.1	88.9	89.5	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	9.8	65.4	78.5	88.0	92.3	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	9.8	66.2	79.5	89.0	93.5	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	9.9	67.3	80.8	90.8	95.3	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	10.0	67.5	81.0	91.0	95.5	96.1	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	10.0	68.2	81.8	91.9	96.5	97.1	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 1200	10.0	68.3	82.2	92.4	96.9	97.5	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 1000	10.0	68.4	82.4	92.6	97.1	97.7	98.6	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.4	99.4
≥ 900	10.0	68.5	82.4	92.6	97.1	97.7	98.6	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.4	99.4
≥ 800	10.0	68.6	82.5	92.8	97.3	98.0	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.6	99.6
≥ 700	10.0	68.6	82.7	93.0	97.5	98.2	99.0	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 600	10.0	68.8	82.7	93.0	97.5	98.2	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9
≥ 500	10.0	68.8	82.7	93.0	97.5	98.2	99.0	99.5	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 400	10.0	68.8	82.7	93.0	97.5	98.2	99.0	99.5	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 300	10.0	68.8	82.7	93.0	97.5	98.2	99.0	99.5	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	10.0	68.8	82.7	93.0	97.5	98.2	99.0	99.5	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	10.0	68.8	82.7	93.0	97.5	98.2	99.0	99.5	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	10.0	68.8	82.7	93.0	97.5	98.2	99.0	99.5	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	7.6	46.0	53.2	59.0	62.7	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	8.6	51.0	59.7	65.7	69.7	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 18000	8.8	51.2	59.9	65.9	69.9	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 16000	8.8	51.2	59.9	65.9	69.9	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	9.1	52.2	61.1	67.4	71.4	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 12000	9.6	54.4	63.4	69.8	73.8	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 10000	9.6	57.6	67.8	74.5	78.6	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 9000	9.8	58.4	68.6	75.3	79.6	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 8000	9.9	60.8	71.7	78.8	83.2	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	9.9	61.6	72.7	80.0	84.4	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 6000	10.1	62.7	73.8	81.1	85.5	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000	10.1	64.5	75.6	82.9	87.4	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4500	10.1	64.8	75.9	83.2	87.7	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	10.1	66.1	77.3	85.1	89.7	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	10.1	67.0	78.2	86.2	91.0	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	10.1	69.0	80.5	89.1	94.2	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	10.1	69.4	81.0	89.6	94.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	10.1	70.0	81.8	90.4	95.9	96.2	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	10.1	70.0	81.8	90.4	95.9	96.2	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	10.1	70.8	82.8	91.6	97.1	97.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	10.3	71.4	83.4	92.3	97.7	98.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	10.3	71.5	83.7	92.5	98.0	98.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	10.3	71.5	83.7	92.5	98.0	98.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	10.3	71.6	83.8	92.6	98.1	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	10.3	71.6	83.8	92.6	98.1	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	10.3	71.6	83.8	92.6	98.1	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	10.3	71.6	83.8	92.6	98.1	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	10.3	71.6	83.8	92.6	98.1	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	10.3	71.6	83.8	92.6	98.1	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	10.3	71.6	83.8	92.6	98.1	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	10.3	71.6	83.8	92.6	98.1	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	10.3	71.6	83.8	92.6	98.1	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	8.9	54.8	59.4	63.0	64.1	64.2	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 20000	10.0	60.9	65.9	69.8	71.4	71.5	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 18000	10.2	61.4	66.5	70.3	71.9	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	10.2	61.4	66.5	70.3	71.9	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	10.3	62.3	67.3	71.4	73.1	73.1	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 12000	10.5	64.3	69.4	73.4	75.1	75.2	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 10000	11.0	69.7	75.4	79.6	81.3	81.4	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	11.1	70.1	75.8	80.0	81.7	81.8	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 8000	11.3	73.2	79.2	83.4	85.2	85.4	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	11.3	74.4	80.4	84.6	86.5	86.6	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 6000	11.8	75.6	81.6	85.8	87.6	87.7	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 5000	11.9	76.9	83.0	87.2	89.0	89.1	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4500	11.9	77.3	83.4	87.6	89.5	89.6	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000	11.9	78.7	85.1	89.2	91.1	91.2	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3500	11.9	79.0	85.5	89.7	91.5	91.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	12.0	80.5	87.5	92.3	94.6	94.8	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2500	12.0	80.9	88.0	92.7	95.2	95.4	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	12.0	81.4	88.6	93.3	95.9	96.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	12.0	81.6	88.8	93.5	96.1	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	12.0	82.0	89.2	94.0	96.6	97.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	12.0	82.5	89.7	94.4	97.0	97.5	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	12.0	82.8	90.0	94.7	97.6	98.2	98.6	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 900	12.0	82.8	90.1	94.8	97.7	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 800	12.2	83.2	90.5	95.4	98.3	98.8	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 700	12.3	83.3	90.6	95.5	98.4	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 600	12.3	83.3	90.6	95.5	98.4	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 500	12.3	83.3	90.6	95.5	98.4	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	12.3	83.4	90.8	95.6	98.5	99.0	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	12.3	83.4	90.8	95.6	98.5	99.0	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	12.3	83.4	90.8	95.6	98.5	99.0	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	12.3	83.4	90.8	95.6	98.5	99.0	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	12.3	83.4	90.8	95.6	98.5	99.0	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NOV 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥5/16	≥¼	≥0
NO CEILING	7.4	48.2	54.8	60.6	63.5	64.1	64.6	64.8	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.2
≥ 20000	8.3	52.1	59.9	66.1	69.4	70.2	70.7	70.9	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	8.4	52.3	60.1	66.4	69.6	70.4	70.9	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.6
≥ 16000	8.4	52.3	60.1	66.4	69.6	70.4	70.9	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.6
≥ 14000	8.5	53.0	60.9	67.3	70.5	71.3	71.9	72.1	72.1	72.3	72.4	72.4	72.5	72.5	72.5	72.5
≥ 12000	8.8	55.0	63.0	69.4	72.7	73.5	74.1	74.3	74.3	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 10000	9.1	58.7	67.3	74.1	77.5	78.3	78.9	79.1	79.2	79.4	79.5	79.5	79.6	79.6	79.6	79.6
≥ 9000	9.2	59.1	67.8	74.7	78.2	79.0	79.6	79.8	79.9	80.1	80.2	80.2	80.2	80.2	80.3	80.3
≥ 8000	9.4	61.5	70.8	78.0	81.6	82.4	83.0	83.3	83.3	83.5	83.6	83.6	83.7	83.7	83.7	83.7
≥ 7000	9.4	62.4	71.8	79.0	82.9	83.4	84.0	84.3	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 6000	9.5	63.0	72.4	79.6	83.3	84.1	84.7	84.9	85.0	85.2	85.3	85.3	85.3	85.3	85.4	85.4
≥ 5000	9.6	64.0	73.5	80.8	84.5	85.3	85.9	86.2	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.7
≥ 4500	9.6	64.3	73.8	81.1	84.8	85.6	86.3	86.5	86.5	86.8	86.9	86.9	86.9	86.9	86.9	87.0
≥ 4000	9.7	65.6	75.2	82.6	86.4	87.3	87.9	88.2	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.7
≥ 3500	9.7	66.2	75.9	83.3	87.2	88.1	88.8	89.0	89.1	89.3	89.4	89.4	89.5	89 5	89.5	89.5
≥ 3000	9.7	67.8	78.0	86.0	90.2	91.1	91.8	92.1	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.7
≥ 2500	9.8	68.3	78.6	86.7	90.9	91.8	92.5	92.8	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.4
≥ 2000	9.9	68.9	79.5	87.7	92.1	93.1	93.9	94.2	94.3	94.6	94.7	94.7	94.7	94.7	94.8	94.8
≥ 1800	9.9	69.2	79.8	88.1	92.4	93.4	94.2	94.6	94.7	94.9	95.0	95.0	95.1	95.1	95.1	95.1
≥ 1500	10.0	69.9	80.6	89.0	93.4	94.4	95.2	95.6	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.2
≥ 1200	10.2	70.4	81.4	89.9	94.3	95.4	96.2	96.7	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.3
≥ 1000	10.2	70.8	81.8	90.4	95.0	96.0	97.0	97.4	97.5	97.8	98.0	98.0	98.0	98.0	98.1	98.1
≥ 900	10.2	70.9	82.1	90.7	95.2	96.3	97.2	97.7	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.4
≥ 800	10.3	71.3	82.5	91.2	95.8	96.8	97.8	98.2	98.3	98.6	98.8	98.8	98.8	98.8	98.9	98.9
≥ 700	10.3	71.4	82.7	91.4	96.0	97.0	98.0	98.4	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.2
≥ 600	10.3	71.4	82.8	91.5	96.1	97.2	98.2	98.7	98.8	99.1	99.3	99.3	99.3	99.3	99.4	99.4
≥ 500	10.3	71.5	82.9	91.7	96.4	97.5	98.5	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 400	10.3	71.6	83.0	91.8	96.4	97.5	98.5	99.0	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
≥ 300	10.3	71.6	83.0	91.8	96.4	97.6	98.6	99.1	99.2	99.5	99.7	99.7	99.7	99.7	99.8	99.8
≥ 200	10.3	71.6	83.0	91.8	96.4	97.6	98.6	99.1	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	10.3	71.6	83.0	91.8	96.4	97.6	98.6	99.1	99.2	99.6	99.8	99.8	99.9	99.9	99.9	100.0
≥ 0	10.3	71.6	83.0	91.8	96.4	97.6	98.6	99.1	99.2	99.6	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	13.8	59.0	63.6	66.3	67.0	67.1	67.2	67.7	67.7	67.8	67.9	67.9	67.9	67.9	67.9	68.6
≥ 20000	14.6	61.2	65.9	68.7	69.3	69.4	69.6	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.9
≥ 18000	14.7	61.3	66.0	68.8	69.4	69.6	69.7	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	71.0
≥ 16000	14.7	61.3	66.0	68.8	69.4	69.6	69.7	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	71.0
≥ 14000	14.9	61.8	66.4	69.2	69.9	70.0	70.1	70.6	70.6	70.7	70.8	70.8	70.8	70.8	70.8	71.4
≥ 12000	15.6	63.9	68.6	71.3	72.0	72.1	72.2	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	73.6
≥ 10000	16.3	66.9	71.6	74.4	75.3	75.4	75.6	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.9
≥ 9000	16.4	67.2	72.0	74.9	75.8	75.9	76.0	76.4	76.4	76.6	76.7	76.7	76.7	76.7	76.7	77.3
≥ 8000	17.0	70.9	75.7	78.6	79.4	79.6	79.7	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	81.0
≥ 7000	17.3	72.0	76.8	79.7	80.6	80.7	80.8	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.4	82.1
≥ 6000	17.3	72.6	77.3	80.2	81.1	81.2	81.3	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.7
≥ 5000	17.8	73.2	78.0	80.9	81.9	82.0	82.1	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	83.4
≥ 4500	17.8	73.2	78.0	80.9	81.9	82.0	82.1	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	83.4
≥ 4000	18.2	75.0	79.9	83.1	84.1	84.3	84.4	85.0	85.1	85.3	85.4	85.4	85.4	85.4	85.4	86.1
≥ 3500	18.3	75.9	80.8	84.0	85.0	85.2	85.3	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.3	87.0
≥ 3000	18.7	78.4	83.7	87.4	88.4	88.7	88.8	89.4	89.6	89.8	89.9	89.9	89.9	89.9	89.9	90.6
≥ 2500	18.7	78.9	84.2	88.0	89.0	89.2	89.3	90.0	90.1	90.3	90.4	90.4	90.4	90.4	90.4	91.1
≥ 2000	18.7	80.3	85.8	89.8	90.9	91.1	91.2	91.9	92.0	92.2	92.3	92.3	92.3	92.3	92.3	93.0
≥ 1800	18.7	80.8	86.2	90.2	91.3	91.6	91.7	92.3	92.4	92.7	92.8	92.8	92.8	92.8	92.8	93.4
≥ 1500	18.8	81.9	87.4	91.6	92.7	92.9	93.0	93.7	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.8
≥ 1200	18.9	83.2	89.0	93.1	94.2	94.4	94.7	95.4	95.6	95.8	95.9	95.9	95.9	95.9	95.9	96.6
≥ 1000	19.0	84.0	89.9	94.0	95.2	95.4	95.7	96.4	96.6	96.8	96.9	96.9	96.9	96.9	96.9	97.6
≥ 900	19.0	84.2	90.2	94.3	95.7	95.9	96.1	96.9	97.0	97.2	97.3	97.3	97.3	97.3	97.3	98.0
≥ 800	19.0	84.6	90.6	94.8	96.2	96.4	96.7	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.6
≥ 700	19.0	84.6	90.7	94.9	96.4	96.7	96.9	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.8
≥ 600	19.0	84.9	91.1	95.6	97.1	97.3	97.6	98.3	98.4	98.7	98.8	98.8	98.8	98.8	98.8	99.4
≥ 500	19.0	85.0	91.3	95.8	97.3	97.6	97.8	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.8
≥ 400	19.0	85.0	91.3	95.9	97.4	97.7	98.0	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	100.0
≥ 300	19.0	85.0	91.3	95.9	97.4	97.7	98.0	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	100.0
≥ 200	19.0	85.0	91.3	95.9	97.4	97.7	98.0	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	100.0
≥ 100	19.0	85.0	91.3	95.9	97.4	97.7	98.0	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	100.0
0	19.0	85.0	91.3	95.9	97.4	97.7	98.0	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING	13.7	52.2	57.0	60.6	62.1	62.4	62.7	63.4	63.6	63.9	64.2	64.2	64.3	64.4	64.4	65.0
≥ 20000	13.9	53.9	59.0	62.6	64.1	64.4	64.7	65.4	65.6	65.9	66.2	66.2	66.3	66.4	66.4	67.0
≥ 18000	13.9	54.0	59.1	62.7	64.2	64.6	64.8	65.6	65.7	66.0	66.3	66.3	66.4	66.6	66.6	67.1
≥ 16000	13.9	54.0	59.1	62.7	64.2	64.6	64.8	65.6	65.7	66.0	66.3	66.3	66.4	66.6	66.6	67.1
≥ 14000	13.9	54.2	59.3	62.9	64.4	64.8	65.0	65.8	65.9	66.2	66.6	66.6	66.7	66.8	66.8	67.3
≥ 12000	14.8	57.0	62.3	65.9	67.4	67.8	68.0	68.8	68.9	69.2	69.6	69.6	69.7	69.8	69.8	70.3
≥ 10000	15.7	59.7	65.1	68.7	70.2	70.7	70.9	71.7	71.8	72.1	72.4	72.4	72.6	72.7	72.8	73.3
≥ 9000	15.8	60.0	65.4	69.0	70.6	71.0	71.2	72.0	72.1	72.4	72.8	72.8	72.9	73.0	73.1	73.7
≥ 8000	16.8	65.2	71.1	74.8	76.3	76.8	77.0	77.8	77.9	78.2	78.6	78.6	78.7	78.8	78.9	79.4
≥ 7000	16.8	66.2	72.1	75.8	77.3	77.8	78.0	78.8	78.9	79.2	79.6	79.6	79.7	79.8	79.9	80.4
≥ 6000	16.8	66.7	72.6	76.2	77.8	78.2	78.4	79.2	79.3	79.7	80.0	80.0	80.1	80.2	80.3	80.9
≥ 5000	17.1	67.4	73.4	77.1	78.7	79.1	79.3	80.1	80.2	80.6	80.9	80.9	81.0	81.1	81.2	81.8
≥ 4500	17.1	67.6	73.6	77.2	78.8	79.2	79.4	80.2	80.3	80.7	81.0	81.0	81.1	81.2	81.3	81.9
≥ 4000	17.6	68.8	75.0	78.9	80.6	81.0	81.2	82.1	82.2	82.6	82.9	82.9	83.0	83.1	83.2	83.8
≥ 3500	17.9	69.7	75.9	79.8	81.6	82.0	82.2	83.1	83.2	83.6	83.9	83.9	84.0	84.1	84.2	84.8
≥ 3000	18.1	72.3	78.9	83.1	84.9	85.3	85.6	86.4	86.6	86.9	87.2	87.2	87.3	87.4	87.6	88.1
≥ 2500	18.1	72.7	79.2	83.7	85.4	85.9	86.1	87.0	87.1	87.4	87.8	87.8	87.9	88.0	88.1	88.7
≥ 2000	18.3	74.8	81.4	85.9	87.7	88.1	88.3	89.2	89.3	89.7	90.0	90.0	90.1	90.2	90.3	90.9
≥ 1800	18.4	75.2	81.9	86.3	88.1	88.6	88.8	89.7	89.8	90.1	90.4	90.4	90.6	90.7	90.8	91.3
≥ 1500	18.4	77.0	83.7	88.1	89.9	90.3	90.6	91.7	91.8	92.1	92.4	92.4	92.6	92.7	92.8	93.3
≥ 1200	18.4	77.9	85.0	89.4	91.4	91.9	92.1	93.2	93.3	93.7	94.0	94.0	94.1	94.2	94.3	94.9
≥ 1000	18.4	78.7	85.9	90.4	92.6	93.0	93.2	94.3	94.4	94.8	95.1	95.1	95.2	95.3	95.4	96.0
> 900	18.6	79.0	86.2	90.9	93.1	93.6	93.8	94.9	95.0	95.3	95.7	95.7	95.8	95.9	96.0	96.6
≥ 800	18.6	79.2	86.7	91.6	93.9	94.3	94.7	95.8	95.9	96.2	96.6	96.6	96.7	96.8	96.9	97.4
> 700	18.6	79.6	87.0	91.9	94.3	95.0	95.3	96.4	96.6	96.9	97.2	97.2	97.3	97.4	97.6	98.1
≥ 600	18.6	79.7	87.1	92.0	94.6	95.2	95.6	96.7	96.8	97.1	97.4	97.4	97.6	97.7	97.8	98.3
≥ 500	18.6	80.1	87.6	92.6	95.1	95.8	96.2	97.3	97.4	97.8	98.1	98.1	98.3	98.4	98.6	99.1
≥ 400	18.6	80.1	87.6	92.7	95.2	95.9	96.3	97.4	97.6	97.9	98.2	98.2	98.4	98.6	98.7	99.2
≥ 300	18.6	80.1	87.6	92.8	95.3	96.0	96.4	97.6	97.7	98.0	98.3	98.3	98.7	98.8	98.9	99.4
≥ 200	18.6	80.1	87.6	92.8	95.3	96.0	96.4	97.6	97.7	98.0	98.4	98.4	98.8	98.9	99.0	99.6
≥ 100	18.6	80.1	87.6	92.8	95.3	96.0	96.4	97.6	97.7	98.0	98.6	98.6	98.9	99.0	99.1	100.0
= 0	18.6	80.1	87.6	92.8	95.3	96.0	96.4	97.6	97.7	98.0	98.6	98.6	98.9	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	7.8	38.3	45.1	50.6	53.8	55.6	56.9	57.7	57.8	58.0	58.3	58.3	58.6	58.7	58.8	59.0
≥ 20000	8.6	40.4	47.3	53.2	56.6	58.4	60.0	60.9	61.0	61.2	61.6	61.6	61.8	61.9	62.0	62.3
≥ 18000	8.6	40.6	47.4	53.3	56.7	58.6	60.1	61.0	61.1	61.3	61.7	61.7	61.9	62.0	62.1	62.4
≥ 16000	8.6	40.6	47.4	53.3	56.7	58.6	60.1	61.0	61.1	61.3	61.7	61.7	61.9	62.0	62.1	62.4
≥ 14000	8.7	40.8	47.9	53.8	57.1	59.0	60.6	61.4	61.6	61.8	62.1	62.1	62.3	62.4	62.6	62.9
≥ 12000	9.0	42.9	50.7	57.0	60.4	62.3	63.9	64.8	64.9	65.1	65.4	65.4	65.7	65.8	65.9	66.2
≥ 10000	9.3	45.6	53.8	60.3	63.9	65.8	67.4	68.3	68.4	68.8	69.3	69.3	69.6	69.7	69.8	70.1
≥ 9000	9.3	45.7	54.3	60.9	64.6	66.4	68.1	69.0	69.1	69.4	70.0	70.0	70.2	70.3	70.4	70.8
≥ 8000	9.6	47.8	58.2	65.7	69.6	71.6	73.2	74.1	74.2	74.6	75.1	75.1	75.3	75.4	75.6	75.9
≥ 7000	9.6	48.8	59.7	67.1	71.1	73.1	74.8	75.7	75.8	76.1	76.7	76.7	76.9	77.0	77.1	77.4
≥ 6000	9.9	50.0	61.1	68.7	72.7	74.7	76.3	77.2	77.3	77.7	78.2	78.2	78.4	78.6	78.7	79.0
≥ 5000	9.9	50.7	61.9	69.7	73.7	75.7	77.3	78.2	78.3	78.7	79.2	79.2	79.4	79.6	79.7	80.0
≥ 4500	10.0	50.9	62.1	69.9	73.9	75.9	77.6	78.4	78.6	78.9	79.4	79.4	79.7	79.8	79.9	80.2
≥ 4000	10.7	52.9	64.8	72.8	76.9	78.9	80.6	81.4	81.6	81.9	82.4	82.4	82.7	82.8	82.9	83.2
≥ 3500	10.8	53.3	65.2	73.2	77.3	79.3	81.0	81.9	82.0	82.3	82.9	82.9	83.1	83.2	83.3	83.7
≥ 3000	11.1	54.7	66.8	74.8	78.9	80.9	82.6	83.4	83.6	84.0	84.6	84.6	84.8	84.9	85.0	85.3
≥ 2500	11.1	55.0	67.2	75.2	79.4	81.4	83.2	84.1	84.2	84.7	85.2	85.3	85.6	85.7	85.8	86.1
≥ 2000	11.4	57.7	69.9	78.2	82.8	84.8	86.7	87.7	87.8	88.2	88.8	88.9	89.1	89.2	89.3	89.7
≥ 1800	11.4	57.7	69.9	78.2	82.8	84.8	86.7	87.7	87.8	88.2	88.8	88.9	89.1	89.2	89.3	89.7
≥ 1500	11.6	59.0	71.3	80.2	85.0	87.0	88.9	89.9	90.0	90.4	91.0	91.2	91.4	91.6	91.7	92.0
≥ 1200	11.7	60.1	72.4	81.3	86.2	88.3	90.3	91.3	91.4	91.9	92.4	92.7	92.9	93.0	93.1	93.4
≥ 1000	11.8	61.0	73.4	82.3	87.7	89.9	91.9	92.9	93.0	93.4	94.0	94.2	94.4	94.6	94.7	95.0
≥ 900	11.8	61.2	73.7	82.6	87.9	90.2	92.3	93.3	93.4	93.9	94.4	94.7	94.9	95.0	95.1	95.4
≥ 800	11.8	61.6	74.2	83.1	88.7	91.0	93.2	94.2	94.3	94.8	95.3	95.6	95.8	95.9	96.0	96.3
≥ 700	11.8	61.9	74.7	83.6	89.1	91.6	93.8	94.8	94.9	95.3	95.9	96.1	96.3	96.4	96.6	96.9
≥ 600	11.8	62.1	75.0	84.0	89.6	92.1	94.3	95.3	95.4	95.9	96.4	96.7	96.9	97.0	97.1	97.4
≥ 500	11.8	62.1	75.0	84.0	89.7	92.7	95.1	96.1	96.3	96.8	97.3	97.6	97.8	97.9	98.0	98.3
≥ 400	11.8	62.1	75.0	84.0	89.9	92.9	95.4	96.4	96.7	97.1	97.9	98.1	98.3	98.4	98.6	98.9
≥ 300	11.8	62.1	75.0	84.0	89.9	92.9	95.4	96.4	96.9	97.4	98.2	98.4	98.7	98.8	98.9	99.2
≥ 200	11.8	62.1	75.0	84.0	89.9	92.9	95.4	96.4	97.0	97.7	98.6	98.8	99.0	99.1	99.2	99.7
≥ 100	11.8	62.1	75.0	84.0	89.9	92.9	95.4	96.4	97.0	97.7	98.6	98.8	99.1	99.2	99.3	99.8
0	11.8	62.1	75.0	84.0	89.9	92.9	95.4	96.4	97.0	97.7	98.6	98.8	99.1	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13707 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	13.7	50.8	57.2	60.9	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000	15.4	54.0	61.1	64.8	66.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 18000	15.4	54.0	61.1	64.8	66.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 16000	15.6	54.2	61.3	65.0	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000	15.6	54.2	61.3	65.0	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 12000	16.0	55.7	63.0	67.1	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 10000	16.9	59.6	67.4	71.7	73.3	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 9000	16.9	60.0	67.9	72.1	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 8000	17.3	63.2	71.7	76.1	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 7000	17.7	64.0	72.7	77.1	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	17.8	64.7	73.6	78.0	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	18.0	65.7	74.7	79.1	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4500	18.0	65.8	74.8	79.2	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	18.1	67.7	76.8	81.6	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500	18.1	68.4	77.6	82.3	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3000	18.7	70.0	79.2	84.1	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	19.2	71.1	80.7	85.7	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	19.3	73.7	83.2	88.6	90.8	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3
≥ 1800	19.3	74.0	83.6	89.0	91.2	91.4	91.6	91.6	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8
≥ 1500	19.4	74.3	84.2	89.9	92.4	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1
≥ 1200	19.4	75.6	85.8	92.0	94.7	94.9	95.3	95.3	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.6
≥ 1000	19.6	76.0	86.3	92.7	95.7	95.9	96.3	96.3	96.3	96.4	96.4	96.4	96.6	96.6	96.6	96.6
≥ 900	19.6	76.1	86.4	92.8	95.8	96.1	96.6	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 800	19.6	76.4	86.8	93.4	96.7	97.0	97.4	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 700	19.6	76.8	87.2	94.2	97.6	98.1	98.8	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 600	19.6	76.8	87.3	94.3	97.9	98.3	99.0	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 500	19.6	76.8	87.3	94.3	97.9	98.3	99.0	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 400	19.6	76.8	87.3	94.3	97.9	98.3	99.0	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 300	19.6	76.8	87.3	94.3	97.9	98.3	99.0	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 200	19.6	76.8	87.3	94.3	97.9	98.3	99.0	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 100	19.6	76.8	87.3	94.3	97.9	98.3	99.0	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 0	19.6	76.8	87.3	94.3	97.9	98.3	99.0	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	15.7	55.9	60.0	63.0	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	17.8	59.9	64.2	67.2	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000	17.8	60.1	64.4	67.4	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000	18.0	60.3	64.7	67.7	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 14000	18.0	60.3	64.8	67.8	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	18.2	61.6	66.0	69.0	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 10000	18.8	65.2	70.0	73.0	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 9000	18.8	65.2	70.0	73.0	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 8000	19.4	70.4	75.8	78.8	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	19.4	71.1	76.7	79.7	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 6000	19.4	72.1	77.7	80.7	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	19.4	72.4	78.0	81.1	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	19.4	72.4	78.0	81.1	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	19.4	73.8	79.8	83.1	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	19.7	74.9	81.1	84.4	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	20.6	77.7	84.2	87.8	88.3	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	20.6	78.7	85.2	89.0	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	20.6	79.9	87.0	91.4	92.3	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1800	20.6	79.9	87.0	91.6	92.4	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500	20.7	80.7	87.9	93.0	94.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	20.9	81.3	88.9	94.2	95.3	95.9	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	20.9	81.8	89.4	94.9	96.1	96.7	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	20.9	81.9	89.6	95.0	96.2	96.9	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	20.9	82.3	90.0	95.6	96.8	97.4	97.9	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	20.9	82.6	90.2	96.1	97.6	98.2	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	20.9	82.6	90.2	96.1	97.6	98.6	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	20.9	82.6	90.2	96.1	97.6	98.6	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	20.9	82.6	90.2	96.1	97.6	98.6	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	20.9	82.6	90.2	96.1	97.6	98.6	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	20.9	82.6	90.2	96.1	97.6	98.6	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	20.9	82.6	90.2	96.1	97.6	98.6	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	20.9	82.6	90.2	96.1	97.6	98.6	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	14.7	55.3	61.3	62.8	63.9	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 20000	16.4	59.9	66.0	67.7	68.8	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 18000	16.7	60.4	66.6	68.2	69.3	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	16.9	60.9	67.0	68.7	69.8	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	16.9	61.3	67.6	69.2	70.3	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	16.9	63.4	69.7	71.3	72.4	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 10000	17.8	65.3	72.6	74.3	75.4	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	17.8	66.4	72.7	74.4	75.4	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	19.0	71.1	78.2	80.2	81.4	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 7000	19.4	72.1	79.2	81.2	82.4	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 6000	19.6	72.9	80.0	82.0	83.2	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	19.8	73.6	80.7	82.7	83.9	84.1	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	19.8	73.6	80.8	82.8	84.0	84.2	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4000	20.1	74.7	81.9	84.4	85.8	86.0	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	20.7	75.6	83.1	85.7	87.0	87.2	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 3000	21.2	77.9	86.2	89.0	90.4	90.8	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	21.2	78.8	87.2	90.1	91.7	92.1	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	21.3	80.3	89.0	91.9	93.9	94.3	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	21.3	80.6	89.2	92.2	94.2	94.8	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	21.3	81.0	89.8	92.8	94.8	95.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
≥ 1200	21.3	81.3	90.2	93.6	95.8	96.3	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 1000	21.3	81.6	90.8	94.1	96.4	97.2	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 900	21.3	81.6	90.9	94.3	96.7	97.6	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 800	21.3	81.7	91.1	94.7	97.1	98.1	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 700	21.3	81.7	91.1	94.7	97.1	98.2	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 600	21.3	81.7	91.1	94.7	97.1	98.2	99.1	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 500	21.3	81.7	91.1	94.7	97.1	98.2	99.1	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	21.3	81.7	91.1	94.7	97.1	98.2	99.1	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	21.3	81.7	91.1	94.7	97.1	98.2	99.1	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	21.3	81.7	91.1	94.7	97.1	98.2	99.1	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	21.3	81.7	91.1	94.7	97.1	98.2	99.1	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
0	21.3	81.7	91.1	94.7	97.1	98.2	99.1	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	0
NO CEILING	13.0	55.6	59.2	60.8	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	15.2	61.2	65.7	67.6	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	15.3	61.9	66.3	68.2	68.4	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 16000	15.4	62.2	66.7	68.6	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000	15.6	62.3	66.8	68.7	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	15.9	64.8	69.4	71.4	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 10000	17.2	69.4	74.3	76.7	77.0	77.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 9000	17.2	69.4	74.3	76.7	77.0	77.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 8000	17.9	74.2	79.3	82.0	82.6	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 7000	18.2	75.6	80.8	83.4	84.0	84.0	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6000	18.3	75.9	81.1	83.8	84.3	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000	18.4	76.1	81.4	84.1	84.8	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4500	18.4	76.2	81.6	84.2	84.9	84.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000	18.4	78.0	83.6	86.8	87.8	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3500	18.4	79.2	84.9	88.2	89.3	89.3	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3000	18.6	80.3	86.2	89.9	91.0	91.0	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	18.6	81.2	87.1	90.8	92.0	92.0	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	18.7	82.1	88.2	92.0	93.2	93.4	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	18.7	82.6	88.7	92.4	93.7	93.9	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	18.7	83.6	89.9	93.9	95.1	95.3	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	18.8	84.1	90.4	94.7	95.9	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	18.8	84.6	91.0	95.3	96.6	96.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	18.8	84.6	91.1	95.6	96.9	97.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	18.8	84.7	91.2	95.7	97.0	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	18.8	84.7	91.2	95.8	97.1	97.9	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	18.8	84.7	91.2	95.9	97.2	98.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	18.8	84.7	91.3	96.0	97.4	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	18.8	84.7	91.3	96.0	97.4	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	18.8	84.7	91.3	96.0	97.4	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	18.8	84.7	91.3	96.0	97.4	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	18.8	84.7	91.3	96.0	97.4	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	18.8	84.7	91.3	96.0	97.4	98.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 10L 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-76 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	
NO CEILING	13.9	62.1	64.8	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.6
≥ 20000	15.4	65.9	69.0	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0
≥ 18000	15.4	66.3	69.4	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
≥ 16000	15.4	66.3	69.4	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
≥ 14000	15.7	66.8	69.9	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥ 12000	16.0	68.8	72.0	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
≥ 10000	17.6	73.3	76.7	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
≥ 9000	17.6	73.3	76.7	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
≥ 8000	18.4	77.0	80.8	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0
≥ 7000	18.7	77.9	81.7	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9
≥ 6000	18.7	78.7	82.6	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8
≥ 5000	18.7	78.9	82.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3
≥ 4500	18.7	78.9	82.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3
≥ 4000	19.2	81.3	85.2	87.3	87.9	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 3500	19.3	81.9	85.9	88.1	88.7	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
≥ 3000	19.7	84.4	88.9	91.6	92.1	92.1	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6
≥ 2500	19.8	85.1	89.6	92.2	92.8	92.8	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
≥ 2000	19.8	86.4	91.0	93.7	94.2	94.2	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
≥ 1800	19.8	86.4	91.0	93.7	94.2	94.2	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
≥ 1500	19.9	86.9	91.7	94.3	94.9	94.9	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
≥ 1200	19.9	87.3	92.1	95.2	96.0	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6
≥ 1000	20.0	88.1	92.9	96.1	97.2	97.2	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9
≥ 900	20.0	88.3	93.1	96.3	97.4	97.4	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 800	20.0	88.3	93.1	96.6	97.9	97.9	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.6
≥ 700	20.0	88.6	93.3	96.9	98.3	98.3	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 600	20.0	88.7	93.4	97.0	98.4	98.4	98.6	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.3
≥ 500	20.0	88.8	93.6	97.2	98.7	98.7	98.8	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8
≥ 400	20.0	88.8	93.6	97.3	98.8	98.9	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	20.0	88.8	93.6	97.3	98.8	98.9	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	20.0	88.8	93.6	97.3	98.8	98.9	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	20.0	88.8	93.6	97.3	98.8	98.9	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	20.0	88.8	93.6	97.3	98.8	98.9	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) SEP (MONTH)

ALL (HOURS L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	13.3	53.7	58.5	61.4	62.5	62.9	63.2	63.5	63.5	63.6	63.7	63.7	63.7	63.8	63.8	64.0
≥ 20000	14.7	57.1	62.3	65.3	66.4	66.8	67.2	67.5	67.5	67.6	67.7	67.7	67.7	67.8	67.8	68.0
≥ 18000	14.7	57.3	62.6	65.5	66.7	67.1	67.5	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.3
≥ 16000	14.8	57.5	62.7	65.7	66.9	67.3	67.6	67.9	67.9	68.0	68.1	68.1	68.2	68.2	68.2	68.4
≥ 14000	14.9	57.7	63.0	66.0	67.2	67.6	67.9	68.2	68.2	68.3	68.4	68.4	68.4	68.5	68.5	68.7
≥ 12000	15.3	59.8	65.2	68.3	69.5	69.9	70.3	70.6	70.6	70.7	70.8	70.8	70.8	70.8	70.8	71.1
≥ 10000	16.2	63.3	68.9	72.2	73.4	73.8	74.2	74.5	74.5	74.6	74.7	74.7	74.8	74.8	74.8	75.0
≥ 9000	16.2	63.4	69.2	72.4	73.7	74.1	74.5	74.7	74.8	74.9	75.0	75.0	75.0	75.1	75.1	75.3
≥ 8000	16.9	67.5	73.8	77.3	78.7	79.1	79.5	79.8	79.8	79.9	80.0	80.0	80.1	80.1	80.1	80.3
≥ 7000	17.1	68.5	74.9	78.4	79.8	80.2	80.6	80.9	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.4
≥ 6000	17.2	69.2	75.7	79.2	80.6	81.1	81.4	81.7	81.7	81.8	82.0	82.0	82.0	82.0	82.1	82.3
≥ 5000	17.4	69.8	76.4	79.9	81.4	81.8	82.2	82.5	82.5	82.6	82.7	82.7	82.8	82.8	82.8	83.0
≥ 4500	17.4	69.8	76.4	80.0	81.4	81.9	82.3	82.6	82.6	82.7	82.8	82.8	82.9	82.9	82.9	83.1
≥ 4000	17.7	71.5	78.4	82.3	83.8	84.2	84.7	85.0	85.1	85.2	85.3	85.3	85.3	85.4	85.4	85.6
≥ 3500	17.9	72.4	79.3	83.2	84.8	85.2	85.7	86.0	86.1	86.2	86.3	86.3	86.3	86.4	86.4	86.6
≥ 3000	18.3	74.5	81.8	86.0	87.6	88.0	88.5	88.8	88.9	89.0	89.1	89.1	89.2	89.2	89.2	89.4
≥ 2500	18.4	75.2	82.6	86.8	88.5	88.9	89.4	89.8	89.8	90.0	90.1	90.1	90.1	90.2	90.2	90.4
≥ 2000	18.5	76.9	84.4	88.9	90.7	91.2	91.7	92.1	92.2	92.3	92.4	92.4	92.5	92.5	92.6	92.8
≥ 1800	18.5	77.1	84.7	89.2	91.0	91.5	92.0	92.4	92.5	92.6	92.7	92.7	92.8	92.8	92.8	93.1
≥ 1500	18.6	78.0	85.7	90.5	92.3	92.9	93.4	93.8	93.9	94.0	94.1	94.2	94.2	94.2	94.3	94.5
≥ 1200	18.7	78.9	86.7	91.7	93.7	94.2	94.9	95.3	95.3	95.5	95.6	95.7	95.7	95.8	95.8	96.0
≥ 1000	18.7	79.5	87.5	92.5	94.7	95.3	95.9	96.3	96.4	96.6	96.7	96.7	96.8	96.8	96.9	97.1
≥ 900	18.7	79.6	87.7	92.7	95.0	95.6	96.3	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.5
≥ 800	18.7	79.8	88.0	93.2	95.5	96.2	96.9	97.5	97.5	97.7	97.8	97.9	97.9	98.0	98.0	98.2
≥ 700	18.7	80.0	88.2	93.5	96.0	96.8	97.5	98.1	98.2	98.4	98.5	98.6	98.6	98.6	98.7	98.9
≥ 600	18.7	80.1	88.3	93.7	96.2	97.0	97.8	98.4	98.5	98.7	98.9	98.9	99.0	99.0	99.0	99.3
≥ 500	18.7	80.2	88.4	93.8	96.3	97.3	98.1	98.7	98.8	99.1	99.2	99.3	99.3	99.4	99.4	99.6
≥ 400	18.7	80.2	88.4	93.9	96.4	97.3	98.2	98.8	98.9	99.2	99.4	99.4	99.5	99.5	99.6	99.8
≥ 300	18.7	80.2	88.4	93.9	96.4	97.4	98.2	98.9	99.0	99.2	99.4	99.5	99.5	99.6	99.6	99.8
≥ 200	18.7	80.2	88.4	93.9	96.4	97.4	98.2	98.9	99.0	99.3	99.5	99.5	99.6	99.6	99.7	99.9
≥ 100	18.7	80.2	88.4	93.9	96.4	97.4	98.2	98.9	99.0	99.3	99.5	99.5	99.6	99.7	99.7	100.0
≥ 0	18.7	80.2	88.4	93.9	96.4	97.4	98.2	98.9	99.0	99.3	99.5	99.5	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	18.7	61.0	62.6	63.4	64.8	[illegible]	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.8
≥ 20000	19.8	64.6	66.2	67.1	68.5	68.5	69.0	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.6
≥ 18000	19.8	64.7	66.3	67.2	68.6	68.6	69.1	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.7
≥ 16000	19.8	64.7	66.3	67.2	68.6	68.6	69.1	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.7
≥ 14000	19.8	64.9	66.6	67.4	68.8	68.8	69.4	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.9
≥ 12000	19.8	65.6	67.2	68.1	69.6	69.6	70.1	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.6
≥ 10000	21.1	69.1	70.8	71.6	73.1	73.1	73.7	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.2
≥ 9000	21.1	69.6	71.2	72.0	73.5	73.5	74.1	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.6
≥ 8000	21.5	71.9	73.5	74.6	76.1	76.1	76.7	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.2
≥ 7000	21.6	73.2	74.8	75.9	77.5	77.5	78.1	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.6
≥ 6000	21.7	73.9	75.5	76.6	78.2	78.2	78.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.2
≥ 5000	22.4	75.6	77.3	78.4	80.0	80.0	80.5	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	81.1
≥ 4500	22.5	76.1	78.0	79.0	80.6	80.6	81.2	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.8
≥ 4000	22.5	79.0	81.1	82.2	83.8	83.8	84.3	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.9
≥ 3500	22.5	80.0	82.0	83.3	85.1	85.1	85.6	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	86.2
≥ 3000	22.8	82.2	84.2	85.7	87.4	87.4	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.6
≥ 2500	22.8	83.4	85.6	87.1	88.8	88.8	89.4	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	90.0
≥ 2000	22.9	85.3	87.6	89.1	90.9	90.9	91.4	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	92.0
≥ 1800	22.9	85.3	87.6	89.1	90.9	90.9	91.5	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	92.2
≥ 1500	22.9	85.7	88.1	89.6	91.3	91.3	91.9	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.6
≥ 1200	22.9	87.4	89.8	91.3	93.0	93.0	93.7	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.3
≥ 1000	22.9	87.8	90.2	91.8	93.5	93.5	94.2	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.8
≥ 900	22.9	88.0	90.3	91.9	93.7	93.7	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.9
≥ 800	22.9	88.1	90.6	92.4	94.1	94.1	94.7	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.4
≥ 700	22.9	88.2	90.9	92.7	94.5	94.5	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.9
≥ 600	22.9	88.2	91.1	93.1	95.1	95.2	95.9	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.9
≥ 500	22.9	88.2	91.1	93.4	95.4	95.6	96.3	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.3
≥ 400	22.9	88.2	91.1	93.4	95.5	95.7	97.0	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	98.1
≥ 300	22.9	88.2	91.1	93.4	95.5	95.7	97.0	97.5	97.7	98.1	98.1	98.1	98.1	98.2	98.2	98.5
≥ 200	22.9	88.2	91.1	93.4	95.5	95.7	97.1	97.7	98.0	98.3	98.3	98.3	98.3	98.4	98.4	98.7
≥ 100	22.9	88.2	91.1	93.4	95.5	95.7	97.1	97.7	98.0	98.3	98.4	98.4	98.4	98.6	98.9	99.8
≥ 0	22.9	88.2	91.1	93.4	95.5	95.7	97.1	97.7	98.0	98.3	98.4	98.4	98.5	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	17.1	58.4	60.4	61.9	62.8	63.4	63.7	64.4	64.5	64.6	64.8	64.8	64.8	64.8	65.2	65.3
≥ 20000	17.5	60.4	62.7	64.2	65.1	65.7	65.9	66.7	66.8	66.9	67.1	67.1	67.1	67.1	67.4	67.5
≥ 18000	17.5	60.4	62.7	64.2	65.1	65.7	65.9	66.7	66.8	66.9	67.1	67.1	67.1	67.1	67.4	67.5
≥ 16000	17.5	60.4	62.7	64.2	65.1	65.7	65.9	66.7	66.8	66.9	67.1	67.1	67.1	67.1	67.4	67.5
≥ 14000	17.5	60.5	62.8	64.3	65.2	65.8	66.0	66.8	66.9	67.0	67.2	67.2	67.2	67.2	67.5	67.6
≥ 12000	17.5	61.5	64.0	65.5	66.3	67.0	67.2	68.0	68.1	68.2	68.4	68.4	68.4	68.4	68.7	68.8
≥ 10000	18.3	64.6	67.5	69.1	70.0	70.6	70.9	71.6	71.7	71.8	72.0	72.0	72.0	72.0	72.4	72.5
≥ 9000	18.3	64.7	67.6	69.2	70.1	70.8	71.0	71.7	71.8	71.9	72.2	72.2	72.2	72.2	72.5	72.6
≥ 8000	18.5	67.3	70.4	72.2	73.0	73.7	73.9	74.6	74.7	74.8	75.1	75.1	75.1	75.1	75.4	75.5
≥ 7000	18.6	68.5	71.6	73.3	74.2	74.8	75.1	75.8	75.9	76.0	76.2	76.2	76.2	76.2	76.6	76.7
≥ 6000	18.6	68.9	72.0	73.8	74.6	75.3	75.5	76.2	76.3	76.5	76.7	76.7	76.7	76.7	77.0	77.1
≥ 5000	18.9	70.0	73.3	75.1	75.9	76.6	76.8	77.5	77.6	77.7	78.0	78.0	78.0	78.0	78.3	78.4
≥ 4500	18.9	70.5	73.9	75.6	76.5	77.1	77.3	78.1	78.2	78.3	78.5	78.5	78.5	78.5	78.8	78.9
≥ 4000	19.0	73.9	77.2	79.2	80.2	80.9	81.1	81.8	81.9	82.2	82.4	82.4	82.4	82.4	82.7	82.8
≥ 3500	19.0	75.1	78.5	80.5	81.5	82.2	82.4	83.1	83.3	83.5	83.8	83.8	83.8	83.8	84.1	84.2
≥ 3000	19.5	76.8	80.2	82.3	83.4	84.1	84.3	85.1	85.3	85.5	85.7	85.7	85.7	85.7	86.0	86.1
≥ 2500	19.5	78.1	81.6	83.8	85.2	85.8	86.0	86.8	87.0	87.2	87.4	87.4	87.4	87.4	87.7	87.8
≥ 2000	19.5	80.2	83.8	85.9	87.3	88.1	88.3	89.0	89.2	89.5	89.7	89.7	89.7	89.7	90.0	90.1
≥ 1800	19.5	80.3	83.9	86.1	87.6	88.4	88.6	89.4	89.6	89.8	90.0	90.0	90.0	90.0	90.3	90.4
≥ 1500	19.6	81.2	84.7	87.2	88.6	89.6	89.8	90.5	90.8	91.0	91.2	91.2	91.2	91.2	91.5	91.6
≥ 1200	19.6	82.0	85.7	88.5	90.2	91.0	91.2	91.9	92.2	92.4	92.6	92.6	92.6	92.6	92.9	93.0
≥ 1000	19.6	83.0	86.7	89.6	91.4	92.2	92.4	93.1	93.3	93.5	93.8	93.8	93.8	93.8	94.1	94.2
≥ 900	19.6	83.0	86.7	89.8	91.6	92.4	92.6	93.3	93.5	93.8	94.0	94.0	94.0	94.0	94.3	94.4
≥ 800	19.6	83.1	86.8	89.9	91.9	92.8	93.0	93.8	94.0	94.2	94.4	94.4	94.4	94.4	94.7	94.8
≥ 700	19.6	83.1	86.8	89.9	91.9	92.8	93.1	93.9	94.1	94.3	94.6	94.6	94.6	94.6	94.9	95.1
≥ 600	19.6	83.4	87.1	90.4	92.7	93.5	93.9	94.7	95.1	95.3	95.7	95.7	95.7	95.7	96.0	96.1
≥ 500	19.6	83.4	87.2	90.9	93.4	94.3	94.7	95.6	95.9	96.1	96.6	96.6	96.6	96.6	96.9	97.0
≥ 400	19.6	83.4	87.2	90.9	93.4	94.4	94.8	95.7	96.0	96.2	96.8	96.8	96.8	96.8	97.1	97.2
≥ 300	19.6	83.4	87.2	90.9	93.4	94.6	95.2	96.0	96.3	96.7	97.5	97.5	97.5	97.5	97.8	98.0
≥ 200	19.6	83.4	87.2	90.9	93.4	94.8	95.4	96.3	96.7	97.1	98.0	98.0	98.1	98.1	98.4	98.6
≥ 100	19.6	83.4	87.2	90.9	93.4	94.8	95.4	96.5	96.8	97.3	98.2	98.4	98.7	98.8	99.2	99.7
0	19.6	83.4	87.2	90.9	93.4	94.8	95.4	96.5	96.8	97.3	98.2	98.4	98.7	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) ,7-70,73-78 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	14.8	47.4	51.9	55.8	58.0	58.5	59.4	59.8	59.8	60.0	60.2	60.2	60.4	60.5	60.5	60.6
≥ 20000	15.1	49.1	54.0	58.3	60.8	61.3	62.3	62.8	62.8	63.0	63.2	63.2	63.5	63.7	63.7	63.8
≥ 18000	15.1	49.1	54.0	58.3	60.8	61.3	62.3	62.8	62.8	63.0	63.2	63.2	63.5	63.7	63.7	63.8
≥ 16000	15.1	49.1	54.0	58.3	60.8	61.3	62.3	62.8	62.8	63.0	63.2	63.2	63.5	63.7	63.7	63.8
≥ 14000	15.1	49.4	54.2	58.5	61.0	61.5	62.5	63.0	63.0	63.2	63.4	63.4	63.8	63.9	63.9	64.0
≥ 12000	15.4	50.3	55.3	59.7	62.3	62.8	63.8	64.3	64.3	64.5	64.7	64.7	65.1	65.2	65.2	65.3
≥ 10000	15.9	52.3	57.5	62.2	64.7	65.3	66.2	66.8	66.8	67.0	67.2	67.2	67.5	67.6	67.6	67.7
≥ 9000	16.0	52.8	58.2	63.0	65.6	66.1	67.1	67.6	67.6	67.8	68.1	68.1	68.4	68.5	68.5	68.6
≥ 8000	16.1	55.9	62.0	67.5	70.1	70.6	71.6	72.4	72.4	72.6	72.8	72.8	73.1	73.2	73.2	73.3
≥ 7000	16.3	57.3	63.7	69.2	71.8	72.4	73.3	74.1	74.1	74.3	74.5	74.5	74.8	74.9	74.9	75.1
≥ 6000	16.3	58.0	64.3	69.9	72.5	73.0	74.0	74.8	74.8	75.1	75.3	75.3	75.6	75.7	75.7	75.8
≥ 5000	16.5	59.1	65.6	71.3	74.1	74.8	75.8	76.7	76.7	76.9	77.1	77.1	77.4	77.5	77.5	77.6
≥ 4500	16.5	59.5	66.1	71.8	74.6	75.4	76.3	77.2	77.2	77.4	77.6	77.6	78.0	78.1	78.1	78.2
≥ 4000	16.7	62.4	69.4	75.1	78.0	78.7	79.8	80.6	80.6	80.9	81.1	81.1	81.4	81.5	81.5	8 .6
≥ 3500	16.7	62.9	69.9	75.6	78.5	79.2	80.3	81.2	81.2	81.4	81.6	81.6	81.9	82.0	82.0	82.2
≥ 3000	16.9	64.2	71.3	77.4	80.3	81.1	82.2	83.0	83.0	83.2	83.4	83.4	83.8	83.9	83.9	84.0
≥ 2500	16.9	64.9	72.2	78.3	81.2	81.9	83.1	84.0	84.1	84.3	84.5	84.5	84.8	84.9	84.9	85.1
≥ 2000	16.9	66.3	74.0	80.3	83.2	84.0	85.2	86.0	86.1	86.3	86.6	86.6	86.9	87.0	87.0	87.1
≥ 1800	16.9	66.6	74.2	80.6	83.5	84.3	85.5	86.3	86.5	86.7	86.9	86.9	87.2	87.3	87.3	87.4
≥ 1500	17.0	67.3	74.9	81.7	84.9	85.7	86.9	87.7	87.8	88.1	88.3	88.3	88.6	88.7	88.7	88.8
≥ 1200	17.0	68.6	76.6	83.9	87.5	88.3	89.5	90.3	90.4	90.6	90.9	90.9	91.2	91.3	91.3	91.4
≥ 1000	17.0	69.4	77.4	85.1	89.0	89.9	91.2	92.0	92.2	92.4	92.6	92.6	92.9	93.0	93.1	93.2
≥ 900	17.0	69.5	77.5	85.4	89.5	90.3	91.6	92.5	92.6	92.8	93.0	93.0	93.3	93.4	93.5	93.7
≥ 800	17.0	69.7	78.0	85.8	90.0	90.9	92.2	93.2	93.3	93.5	93.8	93.8	94.1	94.3	94.4	94.5
≥ 700	17.0	69.7	78.0	86.1	90.5	91.4	92.8	93.9	94.0	94.3	94.5	94.5	94.8	95.1	95.2	95.4
≥ 600	17.0	69.8	78.2	86.7	91.2	92.0	93.4	94.5	94.6	94.9	95.3	95.3	95.6	95.8	95.9	96.1
≥ 500	17.0	69.9	78.3	86.8	91.5	92.4	93.9	95.4	95.6	95.9	96.2	96.2	96.6	96.8	96.9	97.1
≥ 400	17.0	69.9	78.3	86.9	91.7	92.6	94.1	95.7	95.9	96.2	96.7	96.7	97.0	97.2	97.3	97.5
≥ 300	17.0	69.9	78.3	87.0	91.8	92.8	94.6	96.3	96.7	97.0	97.7	97.7	98.1	98.4	98.5	98.7
≥ 200	17.0	70.0	78.4	87.1	91.9	92.9	94.8	96.7	97.0	97.3	98.2	98.2	98.6	98.9	99.0	99.5
≥ 100	17.0	70.0	78.4	87.1	91.9	92.9	94.8	96.8	97.1	97.4	98.3	98.4	98.8	99.1	99.2	99.9
≥ 0	17.0	70.0	70.4	87.1	91.9	92.9	94.8	96.8	97.1	97.4	98.3	98.4	98.8	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 57-70, 73-78 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	20.2	54.6	57.3	58.8	59.6	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	21.6	58.4	61.2	62.9	63.9	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 18000	21.6	58.6	61.4	63.1	64.1	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	21.9	59.0	61.8	63.5	64.5	64.8	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 14000	21.9	59.5	62.3	64.0	64.9	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	22.0	60.4	63.3	65.2	66.1	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	23.2	64.2	67.2	69.0	70.0	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 9000	23.4	65.4	68.4	70.3	71.3	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000	23.7	67.1	70.6	72.8	73.9	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 7000	23.8	68.7	72.5	74.6	75.7	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000	23.8	69.6	73.4	75.7	76.8	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	23.8	70.5	74.5	77.0	78.2	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 4500	23.8	70.6	74.6	77.1	78.3	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000	23.8	72.5	76.6	79.1	80.3	80.8	81.1	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500	24.0	73.5	77.6	80.2	81.4	81.8	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	24.1	74.9	79.4	81.9	83.3	83.8	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	24.4	76.0	80.4	83.0	84.4	84.9	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	24.7	78.2	82.8	85.6	87.1	87.6	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	24.8	78.4	83.0	85.8	87.3	87.8	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	24.9	79.2	84.2	87.2	88.7	89.2	89.6	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1200	24.9	81.5	87.0	90.2	91.7	92.4	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	24.9	82.3	87.8	91.4	93.1	93.8	94.2	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900	24.9	82.3	88.0	91.9	93.8	94.4	94.8	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	24.9	82.4	88.3	92.7	94.5	95.2	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	24.9	82.4	88.4	93.4	95.4	96.0	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	24.9	82.4	88.5	93.9	96.0	96.9	97.6	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	24.9	82.4	88.6	94.0	96.1	97.2	98.1	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	24.9	82.4	88.6	94.1	96.2	97.3	98.2	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	24.9	82.4	88.6	94.1	96.2	97.5	98.6	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	24.9	82.4	88.6	94.1	96.2	97.5	98.6	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	24.9	82.4	88.6	94.1	96.2	97.5	98.6	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	100.0
0	24.9	82.4	88.6	94.1	96.2	97.5	98.6	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	21.8	58.8	59.4	59.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 20000	22.9	62.0	62.7	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	23.1	62.5	63.1	63.2	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	23.1	62.5	63.1	63.2	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	23.4	63.1	63.8	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 12000	24.1	64.8	65.6	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000	25.8	70.0	71.0	71.2	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	26.3	70.9	71.8	72.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 8000	27.1	74.1	75.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	27.4	75.7	76.9	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	27.6	77.1	78.3	78.8	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 5000	28.0	78.2	79.4	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500	28.0	78.2	79.4	80.0	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	28.1	80.1	81.3	82.2	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	28.4	80.9	82.3	83.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	29.5	84.4	85.9	87.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500	29.8	85.4	86.9	88.2	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	29.8	85.9	87.4	88.9	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1800	29.8	85.9	87.4	88.9	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1500	29.8	87.0	89.2	90.9	92.4	92.5	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	29.8	88.2	91.1	92.9	94.4	94.6	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	29.8	89.0	91.9	94.0	95.5	95.7	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	29.9	89.2	92.2	94.3	95.9	96.1	96.3	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
800	29.9	89.4	92.5	94.7	96.6	96.8	97.0	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	29.9	89.6	92.8	95.4	97.5	97.7	98.0	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	29.9	89.6	92.8	95.7	97.8	98.3	98.5	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1
≥ 500	29.9	89.6	92.9	95.8	98.1	98.7	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 400	29.9	89.6	92.9	95.9	98.3	99.0	99.4	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	29.9	89.6	92.9	95.9	98.3	99.0	99.4	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	29.9	89.6	92.9	95.9	98.3	99.0	99.4	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	29.9	89.6	92.9	95.9	98.3	99.0	99.4	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	29.9	89.6	92.9	95.9	98.3	99.0	99.4	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥⅝	≥5/16	≥¼	≥0
NO CEILING	21.7	57.8	58.6	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	22.8	60.8	61.6	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	22.9	60.9	61.7	62.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 16000	22.9	60.9	61.7	62.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 14000	23.2	61.7	62.6	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 12000	23.9	64.0	64.9	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	25.2	67.0	68.2	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	25.3	67.2	68.4	68.9	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 8000	26.5	73.0	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	27.1	75.1	76.9	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 6000	27.3	75.8	77.6	78.2	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000	28.1	78.0	79.9	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	28.4	78.3	80.2	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	28.8	80.8	82.7	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	29.5	82.4	84.3	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	30.3	84.6	86.8	87.7	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 2500	30.3	85.4	87.7	89.0	90.4	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	30.6	86.6	89.5	91.4	92.9	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	30.8	86.6	89.5	91.5	93.0	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	30.9	87.0	90.1	92.5	94.0	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	30.9	87.7	91.0	93.4	94.9	95.2	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	30.9	88.1	91.3	94.1	95.7	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	30.9	88.1	91.3	94.3	96.0	96.3	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	30.9	88.3	91.6	94.7	96.7	97.0	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	30.9	88.4	91.8	95.1	97.0	97.3	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	30.9	88.4	91.9	95.3	97.3	97.6	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	30.9	88.4	91.9	95.4	97.6	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	30.9	88.4	91.9	95.5	97.8	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	30.9	88.4	91.9	95.5	97.8	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	30.9	88.4	91.9	95.5	97.8	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	30.9	88.4	91.9	95.5	97.8	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	30.9	88.4	91.9	95.5	97.8	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) (7-70, 73-78 (YEARS) LICT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	20.9	59.6	60.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	21.6	61.9	63.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	21.9	62.3	63.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	21.9	62.3	63.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	22.3	62.9	64.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 12000	22.5	64.4	65.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	22.9	67.6	68.8	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 9000	22.9	67.6	68.8	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 8000	23.3	73.7	74.8	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	23.5	75.5	76.8	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 6000	23.5	75.5	76.8	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	24.2	78.0	79.4	81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4500	24.2	78.2	79.6	81.4	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	24.2	81.1	82.6	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500	24.4	82.9	84.4	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	24.6	85.3	86.8	89.0	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	24.6	86.0	87.6	90.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	24.6	88.0	89.6	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1800	24.6	88.1	89.8	92.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	24.6	88.7	90.4	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	24.7	89.5	91.2	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	24.7	89.8	91.6	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	24.7	89.8	91.6	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	24.7	89.8	91.6	94.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	24.7	89.9	91.7	95.1	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	24.7	90.1	92.0	95.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	24.7	90.3	92.3	96.0	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	24.7	90.3	92.3	96.0	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	24.7	90.3	92.3	96.0	98.6	98.6	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	24.7	90.3	92.3	96.0	98.7	98.7	99.0	99.1	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5
≥ 100	24.7	90.3	92.3	96.0	98.7	98.7	99.0	99.1	99.1	99.2	99.4	99.5	99.9	99.9	100.0	100.0
≥ 0	24.7	90.3	92.3	96.0	98.7	98.7	99.0	99.1	99.1	99.2	99.4	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	20.4	62.5	63.9	64.9	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 20000	21.5	65.8	67.2	68.4	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
≥ 18000	21.5	65.8	67.2	68.4	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
≥ 16000	21.5	65.8	67.2	68.4	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
≥ 14000	21.5	66.1	67.5	68.7	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4
≥ 12000	21.5	66.5	67.8	69.0	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8
≥ 10000	22.3	69.5	71.0	72.3	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0
≥ 9000	22.3	69.6	71.1	72.4	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1
≥ 8000	22.7	74.5	76.0	77.3	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.2	78.3	78.3
≥ 7000	22.8	76.0	77.5	78.8	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.7	79.8	79.8
≥ 6000	22.9	76.6	78.2	79.5	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.4	80.4
≥ 5000	23.4	78.6	80.2	81.8	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.8	83.0
≥ 4500	23.5	78.9	80.5	82.2	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.1	83.1	83.3
≥ 4000	24.0	81.9	83.5	85.3	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.2	86.2	86.5
≥ 3500	24.2	83.0	84.6	86.3	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.4	87.4	87.6
≥ 3000	24.3	85.9	87.6	89.5	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.5	90.5	90.8
≥ 2500	24.3	87.2	88.9	90.8	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7	91.8	91.8	92.0
≥ 2000	24.3	88.2	90.1	92.3	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.3	93.4	93.4	93.7
≥ 1800	24.3	88.3	90.2	92.4	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.4	93.5	93.5	93.8
≥ 1500	24.3	88.5	90.4	92.7	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	94.0	94.0	94.2
≥ 1200	24.3	90.0	91.9	94.2	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.5	95.5	95.7
≥ 1000	24.3	90.2	92.3	94.5	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.8	95.8	96.0
≥ 900	24.3	90.2	92.3	94.6	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.1	96.1	96.3
≥ 800	24.3	90.5	92.6	94.9	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.5	96.6	96.6	96.8
≥ 700	24.3	90.6	92.7	95.1	96.2	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.8	96.8	97.0
≥ 600	24.3	91.0	93.0	95.7	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.6	97.6	97.8
≥ 500	24.3	91.0	93.1	95.9	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.8	98.0	98.0	98.2
≥ 400	24.3	91.0	93.1	95.9	97.4	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.2	98.2	98.4
≥ 300	24.3	91.0	93.1	95.9	97.4	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.5	98.5	98.7
≥ 200	24.3	91.0	93.1	95.9	97.4	97.8	98.3	98.4	98.5	98.5	98.6	98.6	98.7	98.9	98.9	99.1
≥ 100	24.3	91.0	93.1	95.9	97.4	97.8	98.3	98.5	98.6	98.6	98.7	98.7	99.1	99.5	99.6	99.8
≥ 0	24.3	91.0	93.1	95.9	97.4	97.8	98.3	98.5	98.6	98.6	98.7	98.7	99.1	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

ALL (HOURS LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	19.5	57.5	59.4	60.6	61.5	61.7	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.4
≥ 20000	20.3	60.4	62.3	63.7	64.7	64.9	65.1	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.6
≥ 18000	20.4	60.5	62.5	63.9	64.8	65.0	65.2	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.7	65.7
≥ 16000	20.5	60.6	62.5	63.9	64.9	65.1	65.3	65.5	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.8
≥ 14000	20.6	61.0	63.0	64.4	65.3	65.5	65.7	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.2	66.2
≥ 12000	20.8	62.2	64.2	65.7	66.6	66.8	67.0	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.5
≥ 10000	21.8	65.5	67.7	69.3	70.3	70.5	70.7	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.2
≥ 9000	21.9	66.0	68.2	69.8	70.8	71.0	71.2	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.7
≥ 8000	22.4	69.7	72.2	74.0	75.0	75.2	75.5	75.7	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.0
≥ 7000	22.6	71.3	73.8	75.6	76.7	76.9	77.1	77.4	77.4	77.4	77.5	77.5	77.6	77.6	77.6	77.7
≥ 6000	22.7	71.9	74.5	76.3	77.4	77.6	77.8	78.1	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.4
≥ 5000	23.1	73.5	76.2	78.2	79.3	79.5	79.8	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.3	80.4
≥ 4500	23.2	73.8	76.5	78.5	79.7	79.9	80.1	80.4	80.4	80.5	80.5	80.5	80.6	80.6	80.7	80.8
≥ 4000	23.4	76.5	79.3	81.4	82.6	82.8	83.1	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.7	83.8
≥ 3500	23.6	77.6	80.5	82.6	83.9	84.1	84.4	84.7	84.7	84.8	84.9	84.9	84.9	84.9	85.0	85.1
≥ 3000	24.0	79.8	82.8	85.1	86.5	86.7	87.0	87.2	87.3	87.4	87.4	87.4	87.5	87.5	87.6	87.6
≥ 2500	24.1	80.8	83.9	86.3	87.7	88.0	88.3	88.6	88.6	88.7	88.8	88.8	88.8	88.9	88.9	89.0
≥ 2000	24.2	82.3	85.6	88.2	89.7	90.0	90.3	90.6	90.7	90.7	90.8	90.8	90.8	90.9	90.9	91.0
≥ 1800	24.2	82.4	85.7	88.3	89.9	90.2	90.5	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.1	91.2
≥ 1500	24.2	83.1	86.5	89.4	91.0	91.3	91.6	91.9	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.3
≥ 1200	24.3	84.4	88.0	91.1	92.8	93.1	93.4	93.7	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.1
≥ 1000	24.3	84.9	88.7	91.9	93.7	94.0	94.4	94.7	94.8	94.9	94.9	94.9	95.0	95.0	95.1	95.2
≥ 900	24.3	85.0	88.7	92.1	94.0	94.4	94.8	95.0	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.5
≥ 800	24.3	85.1	89.0	92.5	94.5	94.9	95.3	95.6	95.7	95.9	95.9	95.9	96.0	96.0	96.1	96.2
≥ 700	24.3	85.2	89.1	92.8	95.0	95.4	95.9	96.2	96.3	96.4	96.5	96.5	96.5	96.6	96.6	96.7
≥ 600	24.3	85.3	89.3	93.3	95.6	96.1	96.6	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.6
≥ 500	24.3	85.4	89.4	93.5	96.0	96.5	97.1	97.6	97.7	97.9	98.0	98.0	98.0	98.1	98.1	98.2
≥ 400	24.3	85.4	89.4	93.6	96.1	96.7	97.4	97.9	98.1	98.2	98.4	98.4	98.4	98.5	98.5	98.6
≥ 300	24.3	85.4	89.4	93.6	96.1	96.8	97.6	98.2	98.4	98.6	98.8	98.8	98.9	98.9	99.0	99.1
≥ 200	24.3	85.4	89.4	93.6	96.2	96.9	97.7	98.3	98.5	98.8	99.0	99.0	99.1	99.2	99.3	99.4
≥ 100	24.3	85.4	89.4	93.6	96.2	96.9	97.7	98.4	98.6	98.8	99.1	99.2	99.4	99.5	99.6	99.9
≥ 0	24.3	85.4	89.4	93.6	96.2	96.9	97.7	98.4	98.6	98.8	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	22.7	56.2	58.0	60.0	60.7	60.7	60.9	61.3	61.3	61.3	61.6	61.6	61.6	61.6	61.7	61.9
≥ 20000	23.0	57.1	58.9	60.9	61.6	61.7	61.9	62.3	62.4	62.4	62.7	62.7	62.7	62.7	62.8	63.0
≥ 18000	23.0	57.1	58.9	60.9	61.6	61.7	61.9	62.3	62.4	62.4	62.7	62.7	62.7	62.7	62.8	63.0
≥ 16000	23.0	57.1	58.9	60.9	61.6	61.7	61.9	62.3	62.4	62.4	62.7	62.7	62.7	62.7	62.8	63.0
≥ 14000	23.0	57.3	59.1	61.1	61.8	61.9	62.1	62.6	62.7	62.7	62.9	62.9	62.9	62.9	63.0	63.2
≥ 12000	23.4	58.8	60.6	62.6	63.2	63.3	63.6	64.0	64.1	64.1	64.3	64.3	64.3	64.3	64.4	64.7
≥ 10000	24.7	62.6	64.3	66.3	67.0	67.1	67.3	67.8	67.9	67.9	68.1	68.1	68.1	68.1	68.2	68.4
≥ 9000	24.7	62.8	64.6	66.6	67.2	67.3	67.5	68.0	68.1	68.1	68.3	68.3	68.3	68.3	68.4	68.7
≥ 8000	26.0	67.8	69.6	71.9	72.6	72.7	73.0	73.4	73.5	73.6	73.8	73.8	73.8	73.8	73.9	74.1
≥ 7000	26.6	69.2	71.0	73.3	74.0	74.1	74.4	74.9	75.0	75.0	75.2	75.2	75.2	75.2	75.3	75.6
≥ 6000	26.6	69.7	71.4	73.8	74.4	74.6	74.9	75.3	75.4	75.4	75.7	75.7	75.7	75.7	75.8	76.0
≥ 5000	27.3	71.8	73.8	76.4	77.1	77.2	77.6	78.0	78.1	78.1	78.3	78.3	78.3	78.3	78.4	78.7
≥ 4500	27.3	72.3	74.4	77.2	77.9	78.0	78.3	78.8	78.9	78.9	79.1	79.1	79.1	79.1	79.2	79.4
≥ 4000	27.7	75.0	77.7	80.4	81.1	81.3	81.7	82.1	82.2	82.2	82.4	82.4	82.4	82.4	82.6	82.8
≥ 3500	28.0	76.4	79.1	81.9	82.6	82.8	83.1	83.6	83.7	83.7	83.9	83.9	83.9	83.9	84.0	84.2
≥ 3000	28.4	78.4	81.3	84.1	84.9	85.1	85.4	85.9	86.0	86.0	86.2	86.2	86.2	86.2	86.3	86.6
≥ 2500	28.6	80.2	83.2	86.0	86.8	87.0	87.3	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.2	88.4
≥ 2000	28.6	81.1	84.1	87.4	88.2	88.6	88.9	89.3	89.4	89.4	89.7	89.7	89.7	89.7	89.8	90.0
≥ 1800	28.6	81.7	84.7	88.1	88.9	89.2	89.6	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.4	90.7
≥ 1500	28.6	81.7	84.7	88.2	89.0	89.3	89.7	90.1	90.2	90.2	90.4	90.4	90.4	90.4	90.6	90.8
≥ 1200	28.6	82.4	85.4	89.3	90.2	90.6	90.9	91.3	91.4	91.4	91.7	91.7	91.7	91.7	91.8	92.0
≥ 1000	28.6	83.3	86.4	90.3	91.3	91.8	92.2	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.1	93.3
≥ 900	28.6	83.4	86.7	90.8	92.2	92.7	93.1	93.6	93.7	93.7	93.9	93.9	93.9	93.9	94.0	94.2
≥ 800	28.6	83.6	86.9	91.2	92.6	93.3	93.8	94.2	94.3	94.3	94.6	94.6	94.6	94.6	94.7	94.9
≥ 700	28.6	83.7	87.0	91.3	93.0	93.6	94.0	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.9	95.1
≥ 600	28.6	83.7	87.0	91.3	93.0	93.6	94.0	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.9	95.1
≥ 500	28.6	83.7	87.0	91.7	93.6	94.2	94.8	95.2	95.3	95.3	95.6	95.6	95.6	95.6	95.7	95.9
≥ 400	28.6	83.7	87.0	91.8	94.0	94.7	95.4	96.1	96.2	96.6	96.8	96.8	96.8	96.8	96.9	97.1
≥ 300	28.6	83.7	87.0	91.9	94.4	95.1	96.0	96.7	96.8	97.9	98.1	98.1	98.1	98.1	98.2	98.6
≥ 200	28.6	83.7	87.0	91.9	94.4	95.1	96.1	97.1	97.2	98.4	98.8	98.8	98.9	98.9	99.0	99.3
≥ 100	28.6	83.7	87.0	91.9	94.4	95.1	96.1	97.1	97.2	98.6	98.9	98.9	99.0	99.0	99.2	99.6
0	28.6	83.7	87.0	91.9	94.4	95.1	96.1	97.1	97.2	98.6	98.9	98.9	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS (L.S.T.))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	21.6	55.8	57.9	59.3	60.3	60.4	60.4	60.8	60.8	60.9	61.0	61.1	61.3	61.4	61.7	61.7
≥ 20000	21.9	57.2	59.6	61.0	62.0	62.1	62.1	62.4	62.4	62.6	62.7	62.8	63.0	63.1	63.3	63.3
≥ 18000	21.9	57.2	59.6	61.0	62.0	62.1	62.1	62.4	62.4	62.6	62.7	62.8	63.0	63.1	63.3	63.3
≥ 16000	21.9	57.2	59.6	61.0	62.0	62.1	62.1	62.4	62.4	62.6	62.7	62.8	63.0	63.1	63.3	63.3
≥ 14000	21.9	57.3	59.7	61.1	62.1	62.2	62.2	62.6	62.6	62.7	62.8	62.9	63.1	63.2	63.4	63.4
≥ 12000	21.9	57.9	60.2	61.7	62.7	62.8	62.8	63.1	63.1	63.2	63.3	63.4	63.7	63.8	64.0	64.0
≥ 10000	23.2	61.4	63.8	65.2	66.2	66.3	66.3	66.7	66.7	66.8	66.9	67.0	67.2	67.3	67.6	67.6
≥ 9000	23.2	61.6	63.9	65.3	66.3	66.4	66.4	66.8	66.8	66.9	67.0	67.1	67.3	67.4	67.7	67.7
≥ 8000	23.8	66.0	68.4	70.2	71.2	71.3	71.3	71.7	71.7	71.8	71.9	72.0	72.2	72.3	72.6	72.6
≥ 7000	24.2	67.6	70.0	71.8	72.8	72.9	72.9	73.2	73.2	73.3	73.4	73.6	73.8	73.9	74.1	74.1
≥ 6000	24.2	68.1	70.6	72.3	73.3	73.4	73.4	73.8	73.8	73.9	74.0	74.1	74.3	74.4	74.7	74.7
≥ 5000	24.7	69.9	72.4	74.2	75.3	75.4	75.4	75.8	75.8	75.9	76.0	76.1	76.3	76.4	76.7	76.7
≥ 4500	24.7	70.2	72.8	74.6	75.7	75.8	75.8	76.1	76.1	76.2	76.3	76.4	76.7	76.8	77.0	77.0
≥ 4000	24.8	72.1	75.1	76.9	78.0	78.1	78.1	78.4	78.4	78.6	78.7	78.8	79.0	79.1	79.3	79.3
≥ 3500	25.1	73.0	76.0	77.8	78.9	79.0	79.0	79.3	79.3	79.4	79.6	79.7	79.9	80.0	80.2	80.2
≥ 3000	25.9	75.3	78.3	80.7	82.0	82.1	82.1	82.8	82.8	82.9	83.0	83.1	83.3	83.4	83.7	83.7
≥ 2500	26.0	76.8	80.0	82.4	83.8	83.9	83.9	84.6	84.6	84.7	84.8	84.9	85.1	85.2	85.4	85.4
≥ 2000	26.0	77.4	80.7	83.1	84.4	84.6	84.6	85.2	85.2	85.3	85.4	85.6	85.8	85.9	86.1	86.1
≥ 1800	26.0	77.4	80.7	83.1	84.4	84.6	84.6	85.2	85.2	85.3	85.4	85.6	85.8	85.9	86.1	86.1
≥ 1500	26.0	77.9	81.1	83.6	85.0	85.1	85.1	85.8	85.8	85.9	86.0	86.1	86.3	86.4	86.7	86.7
≥ 1200	26.0	78.4	81.9	84.4	85.9	86.0	86.0	86.7	86.7	86.8	86.9	87.0	87.2	87.3	87.6	87.6
≥ 1000	26.0	79.0	82.4	85.6	87.2	87.7	87.7	88.3	88.3	88.4	88.6	88.7	88.9	89.0	89.2	89.2
≥ 900	26.0	79.4	82.9	86.1	87.9	88.3	88.3	89.0	89.0	89.1	89.2	89.3	89.6	89.7	89.9	89.9
≥ 800	26.0	79.9	83.9	87.3	89.1	89.6	89.6	90.2	90.2	90.3	90.4	90.6	90.8	90.9	91.1	91.1
≥ 700	26.0	80.3	84.7	88.1	90.0	90.4	90.4	91.1	91.1	91.2	91.3	91.4	91.7	91.8	92.0	92.0
≥ 600	26.0	80.3	84.8	88.6	90.6	91.1	91.1	91.9	91.9	92.0	92.1	92.2	92.4	92.6	92.8	92.8
≥ 500	26.0	80.3	85.1	89.2	91.9	92.6	92.6	93.3	93.3	93.4	93.7	93.8	94.0	94.1	94.3	94.3
≥ 400	26.0	80.7	85.4	89.7	92.7	93.4	93.4	94.3	94.4	94.7	95.1	95.2	95.4	95.6	95.9	95.9
≥ 300	26.0	80.7	85.4	89.7	92.7	93.4	93.9	94.9	95.3	95.7	96.3	96.4	96.7	96.9	97.2	97.2
≥ 200	26.0	80.7	85.4	89.7	92.7	93.4	93.9	94.9	95.4	95.8	96.8	97.0	97.2	97.4	97.8	97.9
≥ 100	26.0	80.7	85.4	89.7	92.7	93.4	93.9	94.9	95.4	95.8	96.8	97.1	97.4	97.8	98.3	98.4
≥ 0	26.0	80.7	85.4	89.7	92.7	93.4	93.9	94.9	95.4	95.8	96.8	97.1	97.4	97.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4		<2	<2	≥1	≥1	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	16.2	51.2	54.2	56.7	58.6	59.0	59.1	59.6	59.6	59.7	59.8	59.8	59.9	59.9	59.9	60.1
≥ 20000	16.8	53.6	56.8	59.3	61.2	61.7	61.8	62.2	62.2	62.3	62.4	62.4	62.6	62.6	62.6	62.8
≥ 18000	16.8	53.6	56.8	59.3	61.2	61.7	61.8	62.2	62.2	62.3	62.4	62.4	62.6	62.6	62.6	62.8
≥ 16000	16.8	53.6	56.8	59.3	61.2	61.7	61.8	62.2	62.2	62.3	62.4	62.4	62.6	62.6	62.6	62.8
≥ 14000	16.9	53.9	57.1	59.7	61.6	62.0	62.1	62.6	62.6	62.7	62.8	62.8	62.9	62.9	62.9	63.1
≥ 12000	17.0	54.7	57.9	60.4	62.3	62.8	62.9	63.3	63.3	63.4	63.6	63.6	63.7	63.7	63.7	63.9
≥ 10000	17.0	57.1	60.4	63.1	65.0	65.4	65.6	66.0	66.0	66.2	66.3	66.3	66.4	66.4	66.4	66.7
≥ 9000	17.0	57.4	60.6	63.4	65.3	65.8	65.9	66.3	66.3	66.6	66.7	66.7	66.8	66.8	66.8	67.0
≥ 8000	17.1	60.9	64.7	67.9	69.9	70.3	70.4	70.9	71.0	71.3	71.4	71.4	71.6	71.6	71.6	71.8
≥ 7000	17.2	62.3	66.2	69.7	71.8	72.2	72.4	72.9	73.0	73.3	73.4	73.4	73.6	73.6	73.6	73.8
≥ 6000	17.2	62.8	66.8	70.2	72.4	72.9	73.1	73.6	73.7	74.0	74.1	74.1	74.2	74.2	74.2	74.4
≥ 5000	17.6	64.6	68.8	72.4	74.7	75.2	75.4	75.9	76.0	76.3	76.4	76.4	76.6	76.6	76.6	76.8
≥ 4500	17.6	64.9	69.1	72.8	75.0	75.6	75.8	76.2	76.3	76.7	76.8	76.8	76.9	76.9	76.9	77.1
≥ 4000	17.7	66.0	70.2	74.1	76.3	76.9	77.1	77.6	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.4
≥ 3500	18.4	67.3	71.9	75.8	78.0	78.6	78.8	79.2	79.3	79.7	79.8	79.8	79.9	79.9	79.9	80.1
≥ 3000	18.7	68.7	73.3	77.6	79.9	80.7	80.9	81.4	81.6	81.9	82.1	82.1	82.2	82.2	82.2	82.4
≥ 2500	18.7	69.4	74.3	78.8	81.3	82.1	82.3	82.9	83.0	83.4	83.7	83.7	83.8	83.8	83.8	84.0
≥ 2000	18.9	70.3	75.3	80.0	82.7	83.4	83.7	84.3	84.4	84.9	85.1	85.1	85.2	85.2	85.2	85.4
≥ 1800	18.9	70.7	75.8	80.4	83.1	83.9	84.1	84.8	84.9	85.3	85.6	85.6	85.7	85.7	85.7	85.9
≥ 1500	18.9	71.6	76.9	81.7	84.3	85.1	85.3	86.0	86.1	86.6	86.8	86.8	86.9	86.9	86.9	87.1
≥ 1200	18.9	71.9	77.6	82.4	85.2	86.0	86.2	87.0	87.2	87.7	87.9	87.9	88.0	88.0	88.0	88.2
≥ 1000	18.9	72.0	78.0	83.0	85.9	86.7	87.0	87.8	88.0	88.4	88.7	88.7	88.8	88.8	88.8	89.0
≥ 900	18.9	72.2	78.2	83.2	86.2	87.0	87.3	88.2	88.4	88.9	89.1	89.1	89.2	89.2	89.2	89.4
≥ 800	18.9	72.7	78.7	83.8	87.0	87.8	88.1	89.0	89.2	89.7	90.0	90.0	90.1	90.1	90.1	90.3
≥ 700	18.9	73.3	79.7	85.0	88.3	89.6	89.9	90.9	91.1	91.6	91.9	91.9	92.0	92.0	92.0	92.2
≥ 600	18.9	73.4	79.8	85.3	89.0	90.2	90.8	91.8	92.0	92.4	92.8	92.8	92.9	92.9	92.9	93.2
≥ 500	18.9	73.7	80.0	85.8	89.8	91.0	91.9	92.7	93.1	93.7	94.1	94.1	94.2	94.2	94.3	94.7
≥ 400	18.9	73.7	80.0	85.9	90.4	91.9	93.2	94.0	94.6	95.2	95.7	95.8	96.0	96.1	96.3	96.7
≥ 300	18.9	73.7	80.0	85.9	90.4	91.9	93.3	94.4	94.7	95.4	95.9	96.0	96.2	96.3	96.6	96.9
≥ 200	18.9	73.7	80.0	85.9	90.4	91.9	93.3	94.7	94.9	95.7	96.1	96.2	96.8	96.9	97.3	97.8
≥ 100	18.9	73.7	80.0	85.9	90.6	92.0	93.4	94.8	95.0	95.8	96.2	96.3	97.0	97.1	97.8	98.4
≥ 0	18.9	73.7	80.0	85.9	90.6	92.0	93.4	94.8	95.0	95.8	96.2	96.3	97.0	97.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-76 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	20.9	51.4	54.9	56.4	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	21.7	54.7	58.8	60.4	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 18000	21.7	54.7	58.8	60.4	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000	21.8	54.9	59.0	60.7	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000	21.9	55.2	59.3	61.0	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	22.3	56.6	60.7	62.4	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	22.9	61.4	65.8	67.6	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	22.9	61.7	66.0	67.9	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	23.1	64.4	68.9	71.0	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	23.3	65.9	70.3	72.7	74.0	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000	23.3	66.6	71.0	73.6	75.0	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	23.6	68.0	73.1	75.7	77.3	77.4	77.6	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	23.7	68.2	73.3	75.9	77.6	77.7	77.8	77.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4000	23.7	69.6	74.8	77.6	79.2	79.3	79.4	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	23.7	70.1	75.3	78.3	80.0	80.1	80.2	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	23.8	71.9	77.7	80.9	82.7	82.8	82.9	83.1	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	23.8	73.1	79.2	82.7	84.4	84.6	84.7	84.9	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	23.8	73.3	79.7	83.3	85.2	85.3	85.4	85.7	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1800	23.8	73.6	79.9	83.6	85.4	85.7	85.8	86.0	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1500	23.8	73.8	80.1	84.0	85.9	86.1	86.2	86.4	86.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200	23.8	74.4	81.2	85.3	87.3	87.6	87.8	88.0	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	23.8	74.7	81.8	86.0	88.3	88.6	88.8	89.0	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 900	23.8	75.0	82.1	86.4	88.9	89.2	89.4	89.7	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 800	23.8	75.4	82.6	87.1	89.7	90.1	90.3	90.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 700	23.8	76.1	83.2	88.0	91.0	91.7	92.1	92.4	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	23.8	76.4	83.6	88.4	91.7	92.4	93.0	93.4	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	23.8	76.4	83.6	88.4	92.1	93.1	93.8	94.3	94.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 400	23.8	76.4	83.7	88.6	92.4	93.4	94.3	95.0	95.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	23.8	76.4	83.7	88.6	92.4	93.4	94.7	95.3	95.9	97.3	97.8	97.8	97.8	97.9	97.9	98.0
≥ 200	23.8	76.4	83.7	88.6	92.4	93.6	94.9	95.7	96.2	97.7	98.1	98.2	98.4	98.7	99.1	99.2
≥ 100	23.8	76.4	83.7	88.6	92.4	93.6	94.9	95.7	96.2	97.7	98.1	98.2	98.6	98.9	99.4	99.8
≥ 0	23.8	76.4	83.7	88.6	92.4	93.6	94.9	95.7	96.2	97.7	98.2	98.3	98.7	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 10L64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	≥0
NO CEILING	24.6	55.3	55.9	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 20000	25.8	59.8	60.3	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8
≥ 18000	25.9	59.9	60.4	60.9	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
≥ 16000	26.0	60.0	60.6	61.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0
≥ 14000	26.1	61.0	61.6	62.0	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0
≥ 12000	26.4	62.9	63.4	63.9	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
≥ 10000	26.7	66.7	67.3	67.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9
≥ 9000	26.8	67.3	68.0	68.6	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6
≥ 8000	27.4	71.2	72.0	72.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 7000	27.7	72.2	73.[illegible]	73.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
≥ 6000	27.7	72.3	73.2	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
≥ 5000	28.4	74.4	75.4	76.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
≥ 4500	28.4	74.9	76.0	76.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0
≥ 4000	28.7	76.0	77.3	78.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
≥ 3500	29.0	76.9	78.4	79.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8
≥ 3000	29.8	80.9	81.9	83.3	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 2500	30.0	81.1	83.0	84.9	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 2000	30.0	82.0	84.0	86.0	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2
≥ 1800	30.0	82.1	84.1	86.2	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥ 1500	30.1	82.7	84.9	87.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
≥ 1200	30.1	83.2	85.9	89.3	91.4	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3
≥ 1000	30.1	83.8	86.7	90.3	92.4	92.9	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
≥ 900	30.1	83.9	86.8	90.6	93.0	93.6	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 800	30.1	83.9	86.8	91.0	93.4	94.0	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
≥ 700	30.1	84.0	86.9	91.1	93.7	94.4	95.0	95.3	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.7
≥ 600	30.1	84.1	87.0	91.4	94.2	95.2	95.8	96.2	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.8
≥ 500	30.1	84.1	87.0	91.6	94.8	95.9	96.4	97.0	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.7
≥ 400	30.1	84.1	87.1	91.7	94.9	96.1	96.9	97.7	98.0	98.7	98.8	98.8	98.8	98.9	99.0	99.1
≥ 300	30.1	84.1	87.1	91.8	95.0	96.2	97.0	97.9	98.6	99.2	99.3	99.3	99.3	99.6	99.8	99.9
≥ 200	30.1	84.1	87.1	91.8	95.0	96.2	97.0	97.9	98.7	99.3	99.4	99.4	99.4	99.7	99.9	100.0
≥ 100	30.1	84.1	87.1	91.8	95.0	96.2	97.0	97.9	98.7	99.3	99.4	99.4	99.4	99.7	99.9	100.0
≥ 0	30.1	84.1	87.1	91.8	95.0	96.2	97.0	97.9	98.7	99.3	99.4	99.4	99.4	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	≥0
NO CEILING	23.2	53.4	54.1	54.7	55.6	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	24.7	57.4	58.1	58.8	59.7	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	24.8	57.9	58.6	59.2	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000	24.8	57.9	58.6	59.2	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 14000	24.9	59.2	59.9	60.6	61.4	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	25.3	60.8	61.4	62.1	63.0	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	26.4	64.3	65.0	65.7	66.6	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	26.7	65.3	66.0	66.7	67.6	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	27.2	69.0	69.8	70.6	71.6	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	27.3	70.2	71.1	72.0	73.1	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	27.3	71.0	71.9	72.8	73.9	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 5000	27.9	73.6	74.7	75.6	76.7	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	27.9	73.9	75.0	75.9	77.0	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	28.2	76.0	77.1	78.1	79.2	79.6	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	28.8	76.7	77.8	78.9	80.3	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	29.0	79.4	81.3	83.2	84.8	85.1	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500	29.1	80.4	82.7	84.7	86.4	86.9	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	29.3	81.9	84.7	86.8	89.0	89.4	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	29.3	82.0	84.8	87.0	89.2	89.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	29.3	82.4	85.2	87.8	90.3	90.8	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1200	29.3	83.0	85.9	88.8	91.9	92.3	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1000	29.3	83.3	86.4	89.4	93.0	93.6	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	29.3	83.6	86.7	89.8	93.4	94.0	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	29.3	83.8	87.0	90.2	94.0	94.7	95.0	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 700	29.3	83.9	87.1	90.4	94.2	94.9	95.2	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600	29.3	84.0	87.2	90.8	94.9	95.7	96.0	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	29.3	84.0	87.2	90.9	95.2	96.1	96.4	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	29.3	84.1	87.3	91.1	95.4	96.6	97.2	97.8	98.1	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	29.3	84.1	87.3	91.1	95.8	96.9	97.6	98.1	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	29.3	84.1	87.3	91.1	95.8	96.9	97.6	98.1	98.6	99.1	99.3	99.4	99.6	99.7	99.8	99.8
≥ 100	29.3	84.1	87.3	91.1	95.8	96.9	97.6	98.1	98.6	99.1	99.3	99.4	99.6	99.7	99.8	99.9
0	29.3	84.1	87.3	91.1	95.8	96.9	97.6	98.1	98.6	99.1	99.3	99.4	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM NOV 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	24.0	57.0	57.6	57.9	58.2	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 20000	26.2	59.7	60.2	60.5	60.9	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 18000	26.2	59.8	60.3	60.7	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	26.2	59.8	60.3	60.7	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	26.2	60.2	60.8	61.1	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	26.3	61.3	61.9	62.2	62.6	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 10000	27.7	66.1	66.7	67.0	67.4	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 9000	27.8	66.8	67.3	67.7	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	28.9	70.7	71.6	72.2	72.8	72.9	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 7000	29.0	71.6	72.4	73.1	73.7	73.8	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1
≥ 6000	29.0	72.0	72.9	73.7	74.2	74.3	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7
≥ 5000	29.3	73.8	74.6	75.6	76.1	76.2	76.3	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	29.3	74.0	75.0	75.8	76.3	76.4	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	29.8	77.7	79.0	79.8	80.4	80.6	80.7	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
> 3500	30.2	78.9	80.2	81.0	81.7	81.8	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	30.3	80.8	82.4	83.4	84.7	84.9	85.0	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	30.3	82.0	83.8	84.8	86.1	86.6	86.7	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	30.6	83.2	85.9	87.2	88.9	89.4	89.8	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	30.6	83.8	86.6	88.0	89.7	90.2	90.6	90.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500	30.7	84.3	87.2	89.0	90.6	91.3	91.7	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	30.7	84.6	87.7	90.0	91.9	92.4	92.8	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1000	30.7	85.2	88.4	90.9	92.9	93.6	94.0	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	30.7	85.2	88.4	90.9	93.0	93.7	94.1	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 800	30.7	85.4	88.7	91.3	93.6	94.2	94.7	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	30.7	85.8	89.0	91.9	94.2	94.9	95.3	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	30.7	86.1	89.4	92.4	95.1	95.8	96.4	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	30.7	86.1	89.6	92.6	95.6	96.2	96.9	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	30.7	86.1	89.6	92.8	95.8	96.6	97.3	97.4	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	30.7	86.1	89.6	92.8	95.8	96.7	97.4	97.6	97.6	97.8	98.3	98.3	98.3	98.4	98.4	98.4
≥ 200	30.7	86.2	89.7	92.9	95.9	96.8	97.6	97.7	97.7	98.0	98.6	98.6	98.7	98.9	98.9	99.1
≥ 100	30.7	86.2	89.7	92.9	95.9	96.8	97.6	97.7	97.7	98.0	98.6	98.6	98.7	98.9	99.2	99.9
≥ 0	30.7	86.2	89.7	92.9	95.9	96.8	97.6	97.7	97.7	98.0	98.6	98.6	98.7	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (GL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	24.3	55.7	57.0	57.4	57.7	57.7	57.9	57.9	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.4
≥ 20000	25.0	57.2	58.6	59.0	59.2	59.2	59.4	59.4	59.6	59.6	59.7	59.7	59.8	59.8	59.8	60.1
≥ 18000	25.0	57.3	58.7	59.1	59.3	59.3	59.6	59.6	59.7	59.7	59.8	59.8	59.9	59.9	59.9	60.2
≥ 16000	25.0	57.3	58.7	59.1	59.3	59.3	59.6	59.6	59.7	59.7	59.8	59.8	59.9	59.9	59.9	60.2
≥ 14000	25.0	57.7	59.0	59.4	59.7	59.7	59.9	59.9	60.0	60.0	60.1	60.1	60.2	60.2	60.2	60.6
≥ 12000	25.6	59.6	60.9	61.3	61.6	61.6	61.8	61.8	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.4
≥ 10000	27.0	64.4	66.1	66.7	66.9	66.9	67.1	67.1	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.8
≥ 9000	27.2	64.8	66.4	67.0	67.2	67.2	67.4	67.4	67.6	67.6	67.7	67.7	67.8	67.8	67.8	68.1
≥ 8000	28.7	69.6	71.6	72.2	72.4	72.4	72.8	72.9	73.0	73.1	73.3	73.3	73.4	73.4	73.4	73.8
≥ 7000	29.3	70.9	72.9	73.6	73.8	73.8	74.1	74.2	74.3	74.4	74.7	74.7	74.8	74.8	74.8	75.1
≥ 6000	29.3	71.8	73.8	74.4	74.7	74.7	75.0	75.1	75.2	75.3	75.6	75.6	75.7	75.7	75.7	76.0
≥ 5000	29.4	73.0	75.1	75.8	76.0	76.0	76.3	76.4	76.6	76.7	76.9	76.9	77.0	77.0	77.0	77.3
≥ 4500	29.4	73.9	76.0	76.7	76.9	76.9	77.2	77.3	77.4	77.6	77.8	77.8	77.9	77.9	77.9	78.2
≥ 4000	29.7	76.2	78.8	79.6	79.9	79.9	80.3	80.6	80.8	81.0	81.2	81.2	81.3	81.3	81.3	81.7
≥ 3500	29.9	77.6	80.2	81.1	81.4	81.4	81.9	82.1	82.3	82.6	82.8	82.8	82.9	82.9	82.9	83.2
≥ 3000	30.1	80.2	82.9	84.3	84.7	84.7	85.1	85.3	85.7	85.9	86.1	86.1	86.2	86.2	86.2	86.6
≥ 2500	30.1	81.2	83.9	85.4	85.9	86.0	86.4	86.7	87.0	87.2	87.4	87.4	87.6	87.6	87.6	87.9
≥ 2000	30.3	82.2	85.2	87.1	87.6	87.7	88.1	88.4	88.8	89.0	89.2	89.2	89.3	89.3	89.3	89.7
≥ 1800	30.3	82.6	85.6	87.4	87.9	88.0	88.4	88.8	89.1	89.3	89.6	89.6	89.7	89.7	89.7	90.0
≥ 1500	30.3	83.2	86.4	88.4	88.9	89.0	89.4	89.8	90.1	90.3	90.6	90.6	90.7	90.7	90.7	91.0
≥ 1200	30.3	84.7	88.1	90.1	90.8	90.9	91.3	91.7	92.0	92.2	92.4	92.4	92.6	92.6	92.6	92.9
≥ 1000	30.3	84.8	88.3	90.3	91.2	91.6	92.0	92.3	92.7	92.9	93.1	93.1	93.2	93.2	93.2	93.6
≥ 900	30.3	84.8	88.3	90.7	91.8	92.3	92.8	93.1	93.4	93.7	93.9	93.9	94.0	94.0	94.0	94.3
≥ 800	30.3	84.9	88.4	91.1	92.6	93.1	93.6	93.9	94.2	94.4	94.7	94.7	94.8	94.8	94.8	95.1
≥ 700	30.3	85.0	88.6	91.3	93.2	93.8	94.2	94.6	94.9	95.1	95.3	95.3	95.4	95.4	95.4	95.8
≥ 600	30.3	85.1	88.7	91.6	93.6	94.2	94.7	95.0	95.3	95.7	95.9	95.9	96.0	96.0	96.0	96.3
≥ 500	30.3	85.1	88.7	91.7	93.8	94.4	94.9	95.2	95.6	95.9	96.1	96.1	96.2	96.2	96.2	96.6
≥ 400	30.3	85.6	89.1	92.3	94.7	95.3	95.9	96.3	96.7	97.1	97.4	97.4	97.7	97.7	97.7	98.0
≥ 300	30.3	85.6	89.1	92.4	94.8	95.4	96.1	96.8	97.1	97.7	98.0	98.0	98.2	98.2	98.2	98.6
≥ 200	30.3	85.6	89.1	92.4	94.8	95.4	96.1	96.8	97.2	97.9	98.7	98.7	98.9	98.9	99.1	99.4
≥ 100	30.3	85.6	89.1	92.4	94.8	95.4	96.1	96.8	97.2	97.9	98.7	98.8	99.0	99.0	99.3	99.8
≥ 0	30.3	85.6	89.1	92.4	94.8	95.4	96.1	96.8	97.2	97.9	98.7	98.8	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥ 0	
NO CEILING	22.2	54.5	56.2	57.3	58.1	58.3	58.4	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.8	58.9
≥ 20000	23.1	57.1	58.9	60.1	60.9	61.0	61.1	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.6	61.7
≥ 18000	23.2	57.2	59.0	60.2	61.0	61.1	61.2	61.4	61.4	61.5	61.5	61.6	61.6	61.6	61.7	61.8
≥ 16000	23.2	57.2	59.0	60.2	61.0	61.2	61.3	61.4	61.5	61.5	61.6	61.6	61.7	61.7	61.7	61.8
≥ 14000	23.2	57.7	59.6	60.8	61.6	61.7	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.2	62.2	62.3
≥ 12000	23.5	59.1	60.9	62.1	62.9	63.0	63.1	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.6	63.7
≥ 10000	24.4	63.0	64.9	66.2	67.0	67.1	67.3	67.4	67.4	67.5	67.6	67.6	67.6	67.7	67.7	67.8
≥ 9000	24.5	63.5	65.4	66.8	67.5	67.6	67.7	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.2	68.3
≥ 8000	25.3	67.4	69.6	71.1	72.1	72.2	72.3	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.9	73.0
≥ 7000	25.6	68.7	70.9	72.5	73.5	73.7	73.8	74.0	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.5
≥ 6000	25.6	69.3	71.4	73.1	74.1	74.3	74.4	74.6	74.7	74.8	74.8	74.9	74.9	74.9	75.0	75.1
≥ 5000	26.0	71.1	73.5	75.2	76.3	76.5	76.7	76.8	76.9	77.0	77.1	77.1	77.2	77.2	77.2	77.3
≥ 4500	26.0	71.5	74.0	75.7	76.8	76.9	77.1	77.3	77.3	77.5	77.6	77.6	77.6	77.7	77.7	77.8
≥ 4000	26.3	73.6	76.3	78.1	79.2	79.4	79.6	79.8	79.8	80.0	80.1	80.1	80.1	80.2	80.2	80.3
≥ 3500	26.6	74.6	77.4	79.3	80.4	80.6	80.8	81.0	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.5
≥ 3000	27.0	76.8	79.9	82.2	83.5	83.8	84.0	84.3	84.3	84.5	84.6	84.7	84.7	84.7	84.8	84.9
≥ 2500	27.1	78.0	81.3	83.7	85.1	85.4	85.7	85.9	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.5
≥ 2000	27.2	78.9	82.4	85.1	86.7	87.0	87.3	87.6	87.7	87.9	88.0	88.0	88.0	88.1	88.1	88.2
≥ 1800	27.2	79.2	82.8	85.5	87.1	87.4	87.7	88.0	88.0	88.2	88.3	88.4	88.4	88.4	88.5	88.6
≥ 1500	27.2	79.7	83.3	86.3	88.0	88.3	88.6	88.9	89.0	89.2	89.3	89.3	89.3	89.3	89.4	89.5
≥ 1200	27.2	80.3	84.2	87.5	89.3	89.7	90.0	90.3	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.9
≥ 1000	27.2	80.8	84.8	88.2	90.3	90.8	91.1	91.5	91.5	91.7	91.8	91.9	91.9	91.9	92.0	92.1
≥ 900	27.2	80.9	85.0	88.6	90.8	91.3	91.7	92.1	92.1	92.3	92.4	92.5	92.5	92.5	92.6	92.7
≥ 800	27.2	81.2	85.4	89.1	91.5	92.1	92.4	92.9	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.5
≥ 700	27.2	81.5	85.8	89.7	92.2	92.9	93.3	93.7	93.8	94.0	94.2	94.2	94.3	94.3	94.3	94.4
≥ 600	27.2	81.7	85.9	90.0	92.8	93.5	94.0	94.5	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.3
≥ 500	27.2	81.7	86.0	90.2	93.3	94.2	94.7	95.2	95.4	95.7	95.9	95.9	96.0	96.0	96.0	96.2
≥ 400	27.2	81.8	86.2	90.5	93.8	94.8	95.5	96.1	96.3	96.9	97.2	97.2	97.3	97.3	97.4	97.5
≥ 300	27.2	81.8	86.2	90.5	93.9	94.9	95.8	96.5	96.8	97.5	97.9	97.9	98.0	98.1	98.2	98.4
≥ 200	27.2	81.8	86.2	90.5	93.9	94.9	95.8	96.6	97.0	97.7	98.2	98.3	98.5	98.6	98.8	99.1
≥ 100	27.2	81.8	86.2	90.5	93.9	94.9	95.8	96.6	97.0	97.8	98.3	98.3	98.6	98.8	99.1	99.5
≥ 0	27.2	81.8	86.2	90.5	93.9	94.9	95.8	96.6	97.0	97.8	98.3	98.4	98.6	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	21.0	57.1	57.2	57.7	58.5	58.6	58.6	58.7	58.7	58.8	58.8	58.8	58.9	58.9	59.0	59.2
≥ 20000	21.9	59.9	60.0	60.5	61.4	61.5	61.5	61.6	61.6	61.7	61.8	61.8	61.9	61.9	62.2	62.4
≥ 18000	21.9	60.0	60.1	60.6	61.5	61.6	61.6	61.7	61.7	61.8	61.9	61.9	62.0	62.0	62.3	62.5
≥ 16000	21.9	60.0	60.1	60.6	61.5	61.6	61.6	61.7	61.7	61.8	61.9	61.9	62.0	62.0	62.3	62.5
≥ 14000	21.9	60.0	60.1	60.6	61.5	61.6	61.6	61.7	61.7	61.8	61.9	61.9	62.0	62.0	62.3	62.5
≥ 12000	21.9	61.2	61.3	61.8	62.7	62.8	62.8	62.9	62.9	63.0	63.1	63.1	63.2	63.2	63.4	63.7
≥ 10000	22.3	64.8	64.9	65.5	66.3	66.5	66.5	66.6	66.6	66.7	66.8	66.8	66.9	66.9	67.1	67.3
≥ 9000	22.6	65.7	65.8	66.3	67.2	67.3	67.3	67.4	67.4	67.5	67.6	67.6	67.7	67.7	68.0	68.2
≥ 8000	24.0	69.8	69.9	70.4	71.3	71.4	71.4	71.5	71.5	71.6	71.7	71.7	71.8	71.8	72.0	72.3
≥ 7000	24.2	72.0	72.2	72.7	73.5	73.7	73.7	73.8	73.8	73.9	74.0	74.0	74.1	74.1	74.3	74.5
≥ 6000	24.4	73.0	73.1	73.7	74.5	74.6	74.6	74.7	74.7	74.8	74.9	74.9	75.1	75.1	75.3	75.5
– 5000	24.9	75.3	75.5	76.1	77.0	77.1	77.1	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.7	78.0
≥ 4500	24.9	75.6	75.8	76.6	77.4	77.5	77.5	77.6	77.6	77.7	77.8	77.8	78.0	78.0	78.2	78.4
≥ 4000	25.3	77.6	77.8	78.6	79.6	79.7	79.7	79.8	79.8	79.9	80.0	80.0	80.1	80.1	80.3	80.5
≥ 3500	25.4	78.3	78.6	79.4	80.3	80.4	80.4	80.5	80.5	80.6	80.8	80.8	80.9	80.9	81.1	81.3
≥ 3000	25.7	79.8	80.3	81.2	82.3	82.4	82.4	82.5	82.5	82.6	82.7	82.7	82.8	82.9	83.1	83.3
≥ 2500	25.7	80.2	80.9	82.0	83.1	83.2	83.2	83.3	83.3	83.4	83.5	83.5	83.7	83.8	84.0	84.2
≥ 2000	26.2	81.5	82.3	83.7	84.9	85.1	85.1	85.2	85.2	85.3	85.4	85.4	85.5	85.6	85.8	86.0
≥ 1800	26.3	82.4	83.1	84.5	85.8	85.9	85.9	86.0	86.0	86.1	86.2	86.2	86.3	86.5	86.7	86.9
≥ 1500	26.5	82.8	83.5	85.4	86.8	86.9	86.9	87.0	87.0	87.2	87.3	87.3	87.4	87.5	87.7	88.0
≥ 1200	26.7	83.7	84.9	86.9	88.7	88.9	88.9	89.0	89.0	89.2	89.4	89.4	89.5	89.6	89.8	90.0
≥ 1000	26.7	84.1	85.4	87.6	89.5	89.7	89.7	89.8	89.8	90.0	90.1	90.1	90.2	90.3	90.5	90.8
≥ 900	26.7	84.3	85.7	88.3	90.1	90.3	90.3	90.4	90.4	90.6	90.8	90.8	90.9	91.0	91.2	91.5
≥ 800	26.7	84.3	85.9	88.7	91.0	91.2	91.2	91.3	91.3	91.5	91.6	91.6	91.7	91.8	92.0	92.4
≥ 700	26.7	84.6	86.3	89.4	91.7	92.0	92.2	92.3	92.3	92.5	92.6	92.6	92.7	92.8	93.0	93.3
≥ 600	26.7	84.7	86.6	89.8	92.5	92.8	92.9	93.0	93.0	93.3	93.4	93.4	93.5	93.7	93.9	94.3
≥ 500	26.7	84.8	86.9	90.1	92.9	93.3	93.4	93.7	93.7	94.1	94.2	94.2	94.3	94.4	94.6	95.1
≥ 400	26.7	84.8	86.9	90.1	93.3	94.0	94.2	94.6	94.6	95.2	95.3	95.4	95.5	95.6	95.8	96.2
≥ 300	26.7	84.8	86.9	90.1	93.4	94.1	94.6	95.4	95.4	96.1	96.7	96.8	97.0	97.2	97.4	97.8
≥ 200	26.7	84.8	86.9	90.1	93.5	94.3	94.8	95.9	96.1	96.9	97.5	97.7	98.2	98.4	98.7	99.1
≥ 100	26.7	84.8	86.9	90.1	93.5	94.3	94.9	96.0	96.2	97.0	97.6	98.0	98.5	98.7	99.1	99.6
0	26.7	84.8	86.9	90.1	93.5	94.3	94.9	96.0	96.2	97.0	97.6	98.0	98.5	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	20.3	37.4	57.6	58.4	58.5	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.2	59.2	59.9
≥ 20000	21.9	60.6	60.9	61.6	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.5	62.5	63.1
≥ 18000	22.0	60.8	61.0	61.7	61.8	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.6	63.2
≥ 16000	22.0	60.8	61.0	61.7	61.8	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.5	62.6	62.6	63.2
≥ 14000	22.3	61.0	61.2	61.9	62.0	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.7	62.8	62.8	63.4
≥ 12000	22.7	62.4	62.6	63.3	63.4	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.2	64.2	64.8
≥ 10000	23.0	65.4	65.6	66.3	66.5	66.6	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.2	67.2	67.8
≥ 9000	23.4	66.7	66.9	67.6	67.7	67.8	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.5	68.5	69.1
≥ 8000	23.9	69.2	69.6	70.3	70.4	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.2	71.2	71.8
≥ 7000	24.4	71.6	71.9	72.7	72.8	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.5	73.5	74.2
≥ 6000	24.7	72.9	73.2	74.0	74.1	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.8	74.8	75.5
≥ 5000	25.4	74.9	75.3	76.0	76.1	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.9	76.9	77.5
≥ 4500	25.4	75.5	75.8	76.6	76.7	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.3	77.4	77.4	78.1
≥ 4000	25.7	77.8	78.2	78.9	79.0	79.1	79.5	79.6	79.6	79.6	79.6	79.6	79.7	79.8	79.8	80.4
≥ 3500	25.7	78.7	79.0	79.8	79.9	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.5	80.6	80.6	81.3
≥ 3000	25.9	79.8	80.2	81.0	81.1	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.8	81.8	82.5
≥ 2500	26.1	80.5	81.3	82.0	82.2	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.9	82.9	83.5
≥ 2000	26.3	81.6	82.5	83.3	83.7	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.4	84.4	85.1
≥ 1800	26.3	82.3	83.1	84.0	84.4	84.5	84.8	84.9	84.9	84.9	84.9	84.9	85.1	85.2	85.2	85.8
≥ 1500	26.3	82.9	83.8	84.6	85.1	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.8	85.8	86.5
≥ 1200	26.6	83.5	84.4	85.8	86.5	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.3	87.3	88.0
≥ 1000	26.7	84.1	84.9	86.5	87.1	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.8	88.0	88.0	88.6
≥ 900	26.7	84.4	85.4	87.0	87.7	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.5	88.6	88.6	89.2
≥ 800	26.7	84.5	85.5	87.2	88.4	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.2	89.2	89.9
≥ 700	26.7	84.9	86.2	88.2	89.5	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.3	90.3	91.0
≥ 600	26.7	84.9	86.3	88.4	90.0	90.3	90.6	90.8	90.8	90.8	90.8	90.8	91.0	91.1	91.1	91.7
≥ 500	26.7	85.2	86.6	88.6	90.6	91.1	91.7	91.8	91.9	91.9	91.9	91.9	92.3	92.4	92.4	93.0
≥ 40	26.7	85.4	86.8	88.9	91.7	92.2	93.0	93.4	93.7	93.8	94.0	94.0	94.3	94.4	94.4	95.1
≥ 300	26.7	85.4	86.8	89.1	92.3	92.9	93.9	94.5	94.8	94.9	95.2	95.4	96.3	96.5	96.6	97.3
≥ 200	26.7	85.4	86.8	89.1	92.4	93.0	94.0	94.7	95.6	95.9	96.2	96.5	97.4	97.5	97.7	98.7
≥ 100	26.7	85.4	86.8	89.1	92.4	93.0	94.0	94.7	95.6	95.9	96.2	96.5	97.4	97.6	98.0	98.9
≥ 0	26.7	85.4	86.8	89.1	92.4	93.0	94.0	94.7	95.6	95.9	96.2	96.6	97.5	97.7	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING	18.0	51.0	52.4	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	54.0	54.4
≥ 20000	19.0	53.4	55.1	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.9	57.3
≥ 18000	19.0	53.5	55.2	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	57.0	57.4
≥ 16000	19.0	53.7	55.3	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.1	57.5
≥ 14000	19.0	54.2	55.8	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.6	58.1
≥ 12000	19.2	55.6	57.2	58.3	58.7	58.8	58.8	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.4	59.8
≥ 10000	20.1	59.0	61.0	62.4	62.8	62.9	62.9	63.0	63.0	63.1	63.2	63.2	63.2	63.2	63.4	64.0
≥ 9000	20.2	59.6	61.5	62.9	63.3	63.4	63.4	63.5	63.5	63.7	63.8	63.8	63.8	63.8	64.0	64.5
≥ 8000	20.9	63.8	66.0	67.5	68.0	68.1	68.1	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.6	69.2
≥ 7000	21.2	65.3	67.5	69.0	69.5	69.6	69.6	69.7	69.8	69.9	70.0	70.1	70.1	70.1	70.3	71.0
≥ 6000	21.3	66.1	68.5	70.1	70.5	70.6	70.6	70.8	70.9	71.0	71.1	71.2	71.2	71.2	71.4	72.0
≥ 5000	21.6	68.7	71.3	73.1	73.5	73.7	73.7	73.8	73.9	74.0	74.1	74.2	74.2	74.2	74.4	75.1
≥ 4500	21.6	69.2	71.8	73.7	74.1	74.2	74.2	74.3	74.4	74.5	74.6	74.7	74.7	74.7	74.9	75.5
≥ 4000	21.8	71.5	74.2	76.0	76.5	76.6	76.6	76.7	76.8	76.9	77.0	77.1	77.1	77.1	77.3	78.0
≥ 3500	21.8	72.3	75.1	76.9	77.3	77.4	77.4	77.5	77.6	77.7	77.8	78.0	78.0	78.0	78.2	78.8
≥ 3000	22.4	73.9	77.0	78.8	79.4	79.5	79.5	79.6	79.7	79.8	79.9	80.0	80.0	80.0	80.2	80.9
≥ 2500	22.6	74.6	77.8	79.8	80.3	80.4	80.4	80.5	80.6	80.8	80.9	81.0	81.0	81.0	81.2	81.8
≥ 2000	23.0	76.3	79.7	82.2	82.9	83.1	83.1	83.2	83.3	83.4	83.5	83.7	83.7	83.7	83.9	84.5
≥ 1800	23.0	76.5	79.8	82.4	83.1	83.3	83.4	83.5	83.7	83.8	83.9	84.0	84.0	84.0	84.2	84.8
≥ 1500	23.0	77.2	80.9	83.4	84.2	84.4	84.5	84.6	84.8	84.9	85.1	85.2	85.2	85.2	85.4	86.0
≥ 1200	23.0	77.5	81.3	84.2	85.4	85.7	85.9	86.0	86.2	86.3	86.5	86.6	86.6	86.6	86.8	87.4
≥ 1000	23.3	78.2	82.0	85.1	86.2	86.6	86.8	86.9	87.1	87.2	87.3	87.4	87.4	87.4	87.6	88.3
≥ 900	23.3	78.5	82.7	85.7	87.0	87.3	87.6	87.8	88.1	88.2	88.3	88.4	88.4	88.4	88.6	89.2
≥ 800	23.3	78.7	83.0	86.3	87.7	88.2	88.5	88.7	88.9	89.0	89.1	89.2	89.4	89.4	89.7	90.3
≥ 700	23.4	78.9	83.3	86.9	88.5	89.0	89.4	89.6	89.8	89.9	90.0	90.1	90.2	90.2	90.5	91.2
≥ 600	23.4	79.1	83.8	87.6	89.8	90.3	90.6	90.9	91.1	91.2	91.3	91.4	91.6	91.8	92.2	92.8
≥ 500	23.4	79.2	83.9	87.8	90.0	90.9	91.2	91.7	92.0	92.3	92.5	92.6	92.8	93.0	93.3	94.0
≥ 400	23.4	79.2	84.1	88.2	90.6	91.6	92.4	92.9	93.2	93.7	94.1	94.2	94.5	94.7	95.1	95.8
≥ 300	23.4	79.4	84.2	88.3	90.8	91.7	92.7	93.5	93.9	94.6	95.3	95.5	95.8	96.0	96.5	97.3
≥ 200	23.4	79.4	84.2	88.3	90.8	91.7	92.8	93.8	94.3	95.3	96.6	97.0	97.4	97.7	98.3	99.5
≥ 100	23.4	79.4	84.2	88.3	90.8	91.7	92.8	93.8	94.3	95.3	96.6	97.0	97.5	98.0	98.5	99.9
≥ 0	23.4	79.4	84.2	88.3	90.8	91.7	92.8	93.8	94.3	95.3	96.6	97.0	97.5	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS (L))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	21.5	50.2	51.8	52.0	52.3	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.6	52.6
≥ 20000	22.9	53.5	55.4	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.2
≥ 18000	23.2	54.0	55.8	56.0	56.3	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.7	56.7
≥ 16000	23.2	54.1	55.9	56.1	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8
≥ 14000	23.2	54.3	56.1	56.3	56.7	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0
≥ 12000	23.7	55.3	57.2	57.4	57.7	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.1	58.1
≥ 10000	24.7	59.2	61.9	62.3	62.7	62.8	62.9	62.9	62.9	62.9	63.0	63.1	63.1	63.1	63.2	63.2
≥ 9000	24.8	59.7	62.4	62.7	63.1	63.2	63.3	63.3	63.3	63.3	63.4	63.5	63.5	63.5	63.7	63.7
≥ 8000	25.4	64.1	67.7	68.5	68.9	69.0	69.1	69.1	69.1	69.1	69.2	69.4	69.4	69.4	69.5	69.5
≥ 7000	25.9	66.1	69.8	70.5	71.0	71.1	71.2	71.2	71.2	71.2	71.3	71.4	71.4	71.4	71.5	71.5
≥ 6000	26.0	66.9	70.5	71.4	71.8	71.9	72.2	72.2	72.2	72.2	72.3	72.4	72.4	72.4	72.5	72.5
≥ 5000	26.3	68.1	71.8	72.7	73.2	73.3	73.7	73.7	73.7	73.7	73.8	73.9	73.9	73.9	74.0	74.0
≥ 4500	26.7	68.9	72.8	73.9	74.4	74.5	74.8	74.8	74.8	74.8	74.9	75.1	75.1	75.1	75.2	75.2
≥ 4000	26.9	71.2	75.7	77.2	77.7	78.1	78.4	78.4	78.4	78.4	78.5	78.6	78.6	78.6	78.7	78.7
≥ 3500	27.0	72.0	76.7	78.2	78.7	79.0	79.4	79.4	79.4	79.5	79.6	79.7	79.7	79.7	79.8	79.8
≥ 3000	27.4	74.1	79.0	80.6	81.2	81.5	81.8	81.8	81.8	81.9	82.0	82.2	82.2	82.2	82.3	82.3
≥ 2500	27.7	74.7	80.0	81.6	82.2	82.5	82.8	82.8	82.8	82.9	83.0	83.1	83.1	83.1	83.2	83.2
≥ 2000	28.0	75.8	81.5	83.7	84.2	84.6	85.1	85.1	85.1	85.2	85.3	85.4	85.4	85.4	85.5	85.5
≥ 1800	28.0	76.0	81.7	83.9	84.4	84.8	85.3	85.3	85.3	85.4	85.5	85.6	85.6	85.6	85.7	85.7
≥ 1500	28.0	76.5	82.2	84.4	85.1	85.6	86.0	86.0	86.0	86.1	86.2	86.3	86.3	86.3	86.5	86.5
≥ 1200	28.0	77.6	83.8	86.0	86.7	87.2	87.6	87.6	87.6	87.7	88.0	88.1	88.1	88.1	88.2	88.2
≥ 1000	28.0	78.6	84.9	87.2	88.0	88.5	88.9	89.0	89.0	89.2	89.6	89.7	89.7	89.7	89.8	89.8
≥ 900	28.0	78.7	85.3	87.6	88.4	89.0	89.5	89.6	89.6	89.8	90.1	90.2	90.2	90.2	90.3	90.3
≥ 800	28.0	78.9	86.0	88.7	90.0	90.6	91.2	91.3	91.3	91.5	91.8	91.9	91.9	91.9	92.0	92.0
≥ 700	28.0	78.9	86.1	88.8	90.3	91.2	91.8	91.9	91.9	92.2	92.5	92.6	92.6	92.6	92.7	92.7
≥ 600	28.0	79.0	86.2	89.4	91.1	92.2	92.8	92.9	92.9	93.1	93.4	93.5	93.5	93.5	93.7	93.7
≥ 500	28.0	79.1	86.8	89.8	91.7	92.9	93.5	93.8	93.8	94.0	94.5	94.6	94.6	94.6	94.7	94.7
≥ 400	28.0	79.1	86.8	89.8	91.8	93.4	94.6	94.8	94.8	95.1	95.8	95.9	95.9	95.9	96.0	96.0
≥ 300	28.0	79.1	86.8	89.8	91.8	93.5	94.8	95.1	95.5	96.0	97.0	97.1	97.2	97.3	97.4	97.4
≥ 200	28.0	79.1	86.8	89.8	91.8	93.5	94.9	95.5	96.0	97.0	98.3	98.4	98.8	98.9	99.0	99.1
≥ 100	28.0	79.1	86.8	89.8	91.8	93.5	94.9	95.5	96.0	97.0	98.6	98.7	99.5	99.6	99.8	100.0
≥ 0	28.0	79.1	86.8	89.8	91.8	93.5	94.9	95.5	96.0	97.0	98.6	98.7	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	25.1	51.5	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	26.8	55.7	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	26.8	55.7	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	27.2	56.1	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	27.2	56.6	57.1	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	27.7	58.5	59.0	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 10000	28.5	62.8	63.3	63.5	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	28.8	63.4	64.0	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	29.1	66.9	67.5	67.8	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	29.9	68.8	69.6	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	29.9	69.7	70.5	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	31.2	71.3	72.2	72.5	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	31.6	71.8	72.7	73.0	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000	31.9	75.1	76.6	76.9	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 3500	32.3	76.2	78.0	78.3	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	33.0	78.8	81.0	81.5	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	33.2	79.7	82.0	82.8	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	33.5	81.2	83.7	84.7	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1800	33.5	81.5	84.0	85.1	86.1	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1500	33.7	82.6	85.2	86.3	87.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	33.7	83.3	86.6	88.0	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	33.7	83.5	87.4	89.0	90.3	90.5	90.8	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	33.7	83.8	87.6	89.5	90.8	91.0	91.2	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	33.7	84.1	88.4	90.6	91.9	92.2	92.4	92.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8
≥ 700	33.7	84.4	88.9	91.5	93.1	93.4	93.9	94.0	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	33.7	84.4	88.9	91.5	93.2	93.5	94.0	94.2	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500	33.7	84.5	89.0	91.9	93.8	94.6	95.2	95.7	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	33.7	84.5	89.0	91.9	93.8	94.8	95.4	96.2	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	33.7	84.5	89.0	91.9	93.8	94.8	95.6	96.6	97.1	97.4	98.1	98.2	98.3	98.3	98.4	98.4
≥ 200	33.7	84.5	89.0	91.9	93.8	94.8	95.6	96.8	97.4	98.1	98.7	98.9	99.5	99.5	99.6	99.6
≥ 100	33.7	84.5	89.0	91.9	93.8	94.8	95.6	96.8	97.4	98.2	98.9	99.2	99.8	99.8	99.9	100.0
≥ 0	33.7	84.5	89.0	91.9	93.8	94.8	95.6	96.8	97.4	98.2	98.9	99.2	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥5/16	<1	≥0
NO CEILING	24.8	54.0	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	27.4	60.0	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	27.6	60.2	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 16000	27.8	60.4	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	27.8	60.6	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	28.0	61.9	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	28.3	64.6	65.1	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	28.3	65.3	65.7	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	29.1	67.5	68.1	68.3	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 7000	29.8	68.5	69.2	69.5	69.8	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	30.1	69.9	70.6	70.9	71.2	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	31.0	71.9	72.8	73.0	73.3	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4500	31.2	72.4	73.2	73.4	73.8	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	31.5	75.5	76.8	77.1	77.5	77.7	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	31.7	77.1	78.5	78.9	79.5	79.7	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	32.4	79.9	81.4	81.9	82.7	83.1	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	32.4	80.9	82.7	83.2	84.0	84.4	84.6	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	32.5	82.3	84.3	84.8	85.7	86.1	86.3	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1800	32.5	82.4	84.4	85.1	85.9	86.3	86.6	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	32.5	82.8	84.9	85.8	86.9	87.3	87.5	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200	32.5	83.5	85.7	86.8	88.4	88.9	89.4	90.0	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1000	32.5	83.7	85.9	87.0	89.0	89.7	90.2	90.9	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	32.5	83.7	86.0	87.2	89.2	89.9	90.5	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	32.5	84.0	86.6	88.1	90.3	91.0	91.8	92.6	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	32.5	84.1	86.8	88.4	90.6	91.3	92.3	93.0	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600	32.5	84.2	87.0	88.8	91.2	91.9	92.9	93.9	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9
≥ 500	32.5	84.2	87.0	88.8	91.2	92.3	93.2	94.6	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9
≥ 400	32.5	84.2	87.0	88.8	91.4	92.6	93.7	95.2	95.7	96.5	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	32.5	84.2	87.0	88.8	91.4	92.7	94.2	95.9	96.5	97	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	32.5	84.2	87.0	88.8	91.4	92.7	94.2	95.9	96.7	98	99.0	99.1	99.5	99.5	99.5	99.5
≥ 100	32.5	84.2	87.0	88.8	91.4	92.7	94.2	95.9	96.8	98	99.0	99.1	99.5	99.5	99.6	99.9
≥ 0	32.5	84.2	87.0	88.8	91.4	92.7	94.2	95.9	96.8	98.4	99.4	99.5	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS IST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥5/16	≥½	≥0
NO CEILING	23.2	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	24.9	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	25.0	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	25.0	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	25.1	58.3	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 12000	25.6	59.8	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	26.5	64.0	64.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	26.5	64.2	64.7	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	27.4	68.5	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	28.1	69.8	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000	28.7	71.4	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	29.2	73.3	73.7	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	29.3	73.8	74.4	74.6	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4000	29.7	77.3	78.2	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	30.4	79.3	80.5	81.4	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000	30.4	80.5	81.8	83.0	83.3	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	30.7	81.6	83.1	84.3	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2000	31.3	83.5	85.6	86.7	87.2	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1800	31.4	83.7	85.9	87.2	87.6	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500	31.5	84.5	86.6	88.0	88.6	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	31.7	85.1	87.7	89.4	90.3	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1000	31.7	85.5	88.1	90.1	91.5	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	31.7	85.6	88.5	90.4	92.0	92.0	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 800	31.7	85.8	88.7	90.8	92.6	92.6	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 700	31.7	85.8	88.8	91.1	92.9	92.9	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	31.7	86.0	89.0	91.4	93.8	93.8	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	31.7	86.1	89.2	91.6	94.2	94.3	95.0	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.2
≥ 400	31.7	86.2	89.3	91.8	94.6	94.7	95.5	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1
≥ 300	31.7	86.2	89.3	91.8	94.8	94.9	95.8	96.8	97.1	97.5	97.6	97.6	97.6	97.7	97.8	98.0
≥ 200	31.7	86.2	89.3	91.8	94.8	94.9	95.9	96.9	97.3	98.0	98.2	98.5	98.5	98.6	98.9	99.1
≥ 00	31.7	86.2	89.3	91.8	94.8	94.9	95.9	96.9	97.3	98.3	98.6	98.9	99.0	99.1	99.6	99.9
≥ 0	31.7	86.2	89.3	91.8	94.8	94.9	95.9	96.9	97.3	98.3	98.6	98.9	99.0	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 928

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥	≥5/16	≥0	≥0
NO CEILING	21.5	54.6	55.0	55.3	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.2	56.3
≤ 20000	22.4	57.2	57.6	57.9	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.9	58.9	59.0	59.1
≥ 18000	22.8	57.6	58.0	58.4	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.3	59.3	59.4	59.5
≥ 16000	22.8	57.6	58.0	58.4	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.3	59.3	59.4	59.5
≥ 14000	22.8	57.8	58.3	58.6	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.5	59.5	59.7	59.8
≥ 12000	23.4	59.5	60.0	60.3	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.4	61.4	61.5	61.6
≥ 10000	24.9	64.8	65.4	65.7	66.5	66.7	66.7	66.7	66.7	66.8	66.8	66.8	67.0	67.0	67.1	67.2
≥ 9000	24.9	65.0	65.6	65.9	66.7	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.2	67.2	67.3	67.4
≥ 8000	25.6	68.6	69.1	69.5	70.2	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.8	70.8	70.9	71.0
≥ 7000	25.7	69.5	70.0	70.3	71.1	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.6	71.6	71.7	71.8
≥ 6000	26.3	71.6	72.2	72.5	73.2	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.8	73.8	73.9	74.0
≥ 5000	26.6	73.9	74.4	74.8	75.5	75.7	75.7	75.7	75.7	75.8	75.8	75.8	76.1	76.1	76.2	76.3
≥ 4500	26.8	74.4	75.2	75.5	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.8	76.8	76.9	77.0
≥ 4000	27.0	76.6	77.7	78.1	79.0	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.5	79.5	79.6	79.7
≥ 3500	27.3	78.3	79.5	79.9	80.8	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.3	81.3	81.4	81.6
≥ 3000	27.7	79.6	81.2	81.8	82.8	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.4	83.4	83.5	83.6
≥ 2500	28.0	80.3	82.2	82.8	84.1	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.7	84.7	84.8	84.9
≥ 2000	28.3	81.3	83.5	84.1	85.4	85.7	85.7	85.7	85.7	85.8	85.8	85.8	86.0	86.0	86.1	86.2
≥ 1800	28.4	82.0	84.1	85.1	86.4	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.9	86.9	87.1	87.2
≥ 1500	28.5	82.7	85.1	86.3	87.7	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.5	88.5	88.6	88.7
≥ 1200	28.6	83.7	86.1	87.6	89.2	89.5	89.6	89.6	89.6	89.8	89.8	89.8	90.0	90.0	90.1	90.2
≥ 1000	28.7	84.5	86.8	88.3	90.4	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.3	91.3	91.4	91.5
≥ 900	28.7	84.6	86.9	88.6	90.7	91.0	91.4	91.4	91.4	91.5	91.5	91.5	91.7	91.7	91.8	91.9
≥ 800	28.7	84.7	87.3	88.9	91.3	91.6	91.9	91.9	91.9	92.0	92.0	92.0	92.2	92.2	92.3	92.4
≥ 700	28.7	84.9	87.6	89.3	91.7	92.0	92.6	92.6	92.6	92.7	92.7	92.7	92.9	92.9	93.0	93.1
≥ 600	28.7	85.1	87.9	89.6	92.1	92.4	93.2	93.3	93.3	93.4	93.4	93.4	93.6	93.6	93.7	93.9
≥ 500	28.7	85.2	88.0	89.9	92.6	93.2	94.1	94.3	94.3	94.4	94.4	94.4	94.6	94.6	94.7	94.8
≥ 400	29.0	85.5	88.3	90.3	94.1	94.5	95.5	95.8	96.3	96.5	96.5	96.7	96.9	96.9	97.0	97.3
≥ 300	29.0	85.5	88.6	90.5	94.3	94.7	96.1	96.9	97.5	97.8	97.8	98.1	98.3	98.3	98.5	98.8
≥ 200	29.0	85.5	88.6	90.5	94.3	94.7	96.3	97.2	97.8	98.3	98.3	98.6	98.8	98.8	99.4	99.7
≥ 100	29.0	85.5	88.6	90.5	94.3	94.7	96.3	97.2	97.8	98.3	98.5	98.8	99.0	99.0	99.6	99.9
0	29.0	85.5	88.6	90.5	94.3	94.7	96.3	97.2	97.8	98.3	98.5	98.8	99.0	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13708 (STATION) LANGLEY AFB,VA (STATION NAME) 73-78 (YEARS) DEC (MONTH)

ALL (HOURS LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	21.9	53.7	54.3	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.5
≥ 20000	23.4	57.3	57.9	58.3	58.7	58.7	58.8	58.8	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.2
≥ 18000	23.6	57.5	58.1	58.5	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.4
≥ 16000	23.6	57.6	58.2	58.7	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.5
≥ 14000	23.7	57.8	58.5	58.9	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.6	59.8
≥ 12000	24.0	59.3	60.0	60.4	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.3
≥ 10000	24.8	63.1	64.0	64.4	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.5
≥ 9000	24.9	63.7	64.6	65.0	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.9	66.1
≥ 8000	25.7	67.3	68.4	68.9	69.4	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.8	70.0
≥ 7000	26.1	68.0	70.1	70.6	71.1	71.2	71.2	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.6	71.8
≥ 6000	26.4	70.2	71.3	71.9	72.3	72.5	72.5	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.9	73.1
≥ 5000	27.0	72.2	73.4	74.0	74.5	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.2
≥ 4500	27.2	72.7	74.0	74.6	75.1	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.7	75.9
≥ 4000	27.5	75.3	76.9	77.7	78.2	78.4	78.5	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.8	79.0
≥ 3500	27.7	76.5	78.2	79.1	79.6	79.8	79.9	79.9	80.0	80.0	80.0	80.1	80.1	80.2	80.2	80.4
≥ 3000	28.1	78.3	80.2	81.2	81.9	82.0	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.5	82.5	82.7
≥ 2500	28.3	79.1	81.3	82.3	83.0	83.2	83.3	83.4	83.4	83.5	83.6	83.6	83.6	83.7	83.7	83.9
≥ 2000	28.6	80.4	82.9	84.2	85.0	85.2	85.3	85.4	85.5	85.5	85.6	85.6	85.6	85.7	85.8	86.0
≥ 1800	28.7	80.8	83.3	84.6	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.3	86.5
≥ 1500	28.7	81.5	84.0	85.5	86.5	86.7	86.9	87.0	87.0	87.1	87.2	87.2	87.2	87.3	87.3	87.5
≥ 1200	28.8	82.3	85.1	86.8	88.0	88.3	88.6	88.7	88.7	88.8	88.9	88.9	89.0	89.0	89.1	89.3
≥ 1000	28.9	82.8	85.7	87.6	89.0	89.3	89.6	89.7	89.7	89.9	90.0	90.0	90.0	90.1	90.1	90.3
≥ 900	28.9	82.9	86.0	88.0	89.5	89.8	90.1	90.3	90.3	90.5	90.5	90.6	90.6	90.7	90.7	90.9
≥ 800	28.9	83.1	86.4	88.7	90.4	90.7	91.1	91.3	91.3	91.4	91.5	91.6	91.6	91.7	91.8	92.0
≥ 700	28.9	83.3	86.8	89.2	91.0	91.4	91.9	92.1	92.2	92.3	92.4	92.4	92.5	92.5	92.6	92.8
≥ 600	28.9	83.4	87.0	89.6	91.7	92.2	92.6	92.9	93.0	93.2	93.3	93.3	93.4	93.5	93.6	93.8
≥ 500	28.9	83.6	87.2	89.8	92.1	92.8	93.4	93.9	94.1	94.3	94.5	94.5	94.6	94.6	94.7	95.0
≥ 400	28.9	83.6	87.3	90.0	92.7	93.5	94.3	94.9	95.2	95.5	95.8	95.9	96.0	96.0	96.1	96.4
≥ 300	28.9	83.6	87.3	90.0	92.8	93.7	94.7	95.6	96.0	96.5	96.9	97.1	97.3	97.4	97.6	97.9
≥ 200	28.9	83.6	87.3	90.0	92.8	93.7	94.8	95.8	96.4	97.2	97.8	98.0	98.4	98.6	98.8	99.3
≥ 100	28.9	83.6	87.3	90.0	92.8	93.7	94.8	95.8	96.4	97.3	98.0	98.3	98.8	98.9	99.2	99.8
0	28.9	83.6	87.3	90.0	92.8	93.7	94.8	95.8	96.4	97.3	98.0	98.3	98.8	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1370 (TAYLOR) LANGLEY AFB, VA (STATION NAME) 67-70, 73-79 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	17.5	53.0	55.9	57.7	58.6	58.8	59.0	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.4
≥ 20000	19.0	56.7	59.9	62.0	63.0	63.2	63.4	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8
≥ 18000	19.1	56.9	60.1	62.1	63.1	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.9	63.9	63.9	64.0
≥ 16000	19.1	56.9	60.1	62.2	63.2	63.4	63.6	63.8	63.8	63.8	63.9	63.9	63.9	63.9	64.0	64.0
≥ 14000	19.2	57.4	60.6	62.7	63.7	63.9	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.5	64.5
≥ 12000	19.6	58.9	62.2	64.4	65.4	65.6	65.9	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.3
≥ 10000	20.5	62.7	66.3	68.5	69.7	69.9	70.1	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.6
≥ 9000	20.6	63.1	66.7	69.0	70.1	70.4	70.6	70.7	70.8	70.8	70.9	70.9	70.9	70.9	71.0	71.0
≥ 8000	21.3	66.5	70.5	73.0	74.2	74.5	74.7	74.8	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.2
≥ 7000	21.6	67.7	71.8	74.3	75.6	75.8	76.1	76.2	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.6
≥ 6000	21.7	68.6	72.7	75.3	76.5	76.8	77.1	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.5	77.6
≥ 5000	22.0	70.1	74.4	77.1	78.4	78.7	78.9	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.4	79.5
≥ 4500	22.1	70.4	74.7	77.5	78.8	79.1	79.4	79.5	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.9
≥ 4000	22.4	72.5	77.1	79.9	81.4	81.7	82.0	82.2	82.2	82.3	82.4	82.4	82.4	82.5	82.5	82.6
≥ 3500	22.6	73.4	78.1	81.0	82.5	82.8	83.2	83.3	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.7
≥ 3000	22.9	75.1	80.1	83.2	84.9	85.3	85.6	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.2
≥ 2500	23.0	75.9	80.9	84.2	86.0	86.3	86.7	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.3	87.4
≥ 2000	23.1	77.1	82.4	85.8	87.7	88.1	88.5	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.2
≥ 1800	23.2	77.3	82.6	86.2	88.0	88.4	88.9	89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.5	89.5
≥ 1500	23.2	78.1	83.6	87.3	89.2	89.7	90.1	90.4	90.5	90.6	90.7	90.7	90.7	90.7	90.8	90.9
≥ 1200	23.3	79.0	84.6	88.5	90.7	91.2	91.7	92.0	92.1	92.2	92.3	92.3	92.3	92.4	92.4	92.5
≥ 1000	23.4	79.5	85.3	89.3	91.6	92.1	92.7	93.0	93.1	93.3	93.4	93.4	93.4	93.4	93.5	93.6
≥ 900	23.4	79.7	85.5	89.7	92.0	92.6	93.2	93.5	93.6	93.8	93.9	93.9	93.9	94.0	94.0	94.1
≥ 800	23.4	79.9	85.9	90.2	92.7	93.3	94.0	94.4	94.4	94.6	94.7	94.7	94.8	94.8	94.8	94.9
≥ 700	23.5	80.1	86.2	90.6	93.2	93.9	94.6	95.0	95.2	95.3	95.4	95.5	95.5	95.5	95.6	95.7
≥ 600	23.5	80.2	86.4	91.0	93.7	94.5	95.2	95.7	95.8	96.0	96.2	96.2	96.3	96.3	96.3	96.4
≥ 500	23.5	80.3	86.5	91.1	94.2	95.0	95.8	96.4	96.6	96.8	97.0	97.0	97.1	97.1	97.2	97.3
≥ 400	23.5	80.4	86.6	91.3	94.4	95.3	96.3	97.0	97.2	97.5	97.7	97.8	97.8	97.9	97.9	98.0
≥ 300	23.5	80.4	86.6	91.4	94.5	95.5	96.5	97.3	97.7	98.0	98.3	98.4	98.5	98.6	98.6	98.7
≥ 200	23.5	80.4	86.6	91.4	94.5	95.5	96.6	97.5	97.8	98.3	98.7	98.8	99.0	99.1	99.2	99.4
≥ 100	23.5	80.4	86.6	91.4	94.5	95.5	96.6	97.5	97.8	98.3	98.8	98.9	99.1	99.2	99.4	99.7
0	23.5	80.4	86.6	91.4	94.5	95.5	96.6	97.5	97.8	98.3	98.8	98.9	99.2	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 87637

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 73-79 (PERIOD) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	34.2			15.2						9.5	41.1	5.4	643
	03-05	34.5			11.6						11.0	42.6	5.6	643
	06-08	24.4			18.1						16.4	41.1	6.1	647
	09-11	17.5			22.8						16.3	43.4	6.5	650
	12-14	14.3			22.9						18.6	44.2	6.8	651
	15-17	13.1			23.1						21.4	41.9	6.8	651
	18-20	20.2			21.8						14.9	43.1	6.3	650
	21-23	29.1			19.8						8.5	42.7	5.6	647
TOTALS		23.4			19.5						14.6	42.5	6.1	5182

USAFETAC FORM JUL 64 0-9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 — STATION
LANGLEY AFB,VA — STATION NAME
73-79 — PERIOD
FEB — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	40.2			14.1						11.5	34.1	4.9	589
	03-05	38.1			12.6						9.6	39.8	5.2	586
	06-08	22.6			22.8						16.1	38.5	6.0	589
	09-11	22.8			21.6						17.1	38.5	6.0	589
	12-14	18.3			23.4						17.6	40.8	6.4	591
	15-17	16.1			28.3						17.4	38.2	6.2	591
	18-20	21.4			27.5						13.9	37.2	5.8	589
	21-23	37.1			15.9						11.1	35.9	5.1	585
TOTALS		27.1			20.8						14.3	37.9	5.7	4709

USAFETAC FORM JUL 64 0-9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 — STATION
LANGLEY AFB,VA — STATION NAME
73-78 — PERIOD
MAR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	30.0			17.9						8.8	42.7	5.6	558
	03-05	28.3			17.2						11.8	42.7	5.8	558
	06-08	16.3			20.8						16.3	46.5	6.7	557
	09-11	12.7			21.0						17.0	49.3	7.1	556
	12-14	12.7			20.3						17.6	49.5	7.1	558
	15-17	14.0			18.6						19.4	48.0	7.1	558
	18-20	16.5			21.9						15.8	45.9	6.7	558
	21-23	27.2			17.6						12.9	42.3	5.9	558
TOTALS		19.8			19.4						15.0	45.9	6.5	4463

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 — STATION
LANGLEY AFB, VA — STATION NAME
73-78 — PERIOD
APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	37.3			21.5						14.1	27.1	4.6	539
	03-05	36.2			22.6						15.7	25.4	4.6	536
	06-08	22.2			27.8						19.6	30.4	5.6	536
	09-11	18.6			33.0						17.3	31.2	5.7	539
	12-14	14.3			34.4						20.7	30.6	6.0	540
	15-17	14.3			29.4						24.6	31.7	6.3	540
	18-20	15.9			31.7						22.6	29.8	6.0	540
	21-23	34.8			22.2						15.6	27.4	4.8	540
TOTALS		24.2			27.9						18.8	29.2	5.5	4310

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 | LANGLEY AFB, VA | 73-78 | MAY
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	25.3			20.8						18.4	35.6	5.8	554
	03-05	21.6			22.0						17.5	38.9	6.1	550
	06-08	15.3			23.1						23.8	37.7	6.6	554
	09-11	13.1			25.7						25.2	36.0	6.6	556
	12-14	8.2			24.2						30.8	36.7	7.2	558
	15-17	6.5			28.4						29.0	36.2	7.1	556
	18-20	9.1			27.3						27.6	36.0	6.9	550
	21-23	19.6			26.8						21.9	31.7	5.9	552
TOTALS		14.8			24.8						24.3	36.1	6.5	4430

USAFETAC FORM JUL 64 0-9-5 (OL-I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 73-78 (PERIOD) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	20.5			31.8						19.9	27.8	5.5	532
	03-05	16.9			31.6						23.8	27.7	5.9	534
	06-08	11.0			31.0						27.8	29.5	6.4	525
	09-11	9.6			28.0						34.0	28.4	6.7	532
	12-14	7.1			30.1						30.2	32.7	6.9	539
	15-17	5.8			32.2						29.2	32.8	6.9	537
	18-20	7.2			32.5						27.6	32.7	6.7	539
	21-23	14.1			31.2						26.4	28.3	6.1	538
TOTALS		11.5			31.1						27.4	30.0	6.4	4276

USAFETAC FORM JUL 64 0-9-5 (OL-I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

S . COVER

13702	LANGLEY AFB, VA	73-78	JUL
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	29.5			25.0						21.3	23.6	5.0	550
	03-05	21.1			30.4						22.3	26.2	5.5	546
	06-08	10.3			28.6						31.9	29.2	6.6	545
	09-11	11.4			30.0						29.5	29.1	6.5	553
	12-14	4.9			33.5						33.7	27.9	6.8	555
	15-17	8.3			39.3						28.8	23.6	6.1	555
	18-20	10.5			36.4						26.3	26.8	6.1	552
	21-23	22.0			32.3						19.3	26.5	5.4	555
TOTALS		14.8			32.0						26.6	26.6	6.0	4411

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 — STATION
LANGLEY AFB, VA — STATION NAME
73-78 — PERIOD
AUG — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	25.7			29.4						20.4	24.5	5.2	538
	03-05	18.4			36.1						22.5	22.3	5.4	537
	06-08	5.1			38.6						34.7	21.5	6.4	544
	09-11	7.6			36.4						34.9	21.1	6.3	550
	12-14	4.3			41.1						36.4	18.1	6.3	557
	15-17	4.3			40.8						36.1	18.8	6.4	552
	18-20	8.0			38.9						31.1	21.9	6.2	547
	21-23	17.8			36.1						24.2	21.8	5.4	545
TOTALS		11.4			37.3						30.0	21.3	6.0	4370

USAFETAC FORM JUL 64 0-9-5 (OL-I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 74-78 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	32.0			28.0						15.3	24.6	4.7	528
	03-05	28.3			26.6						18.3	26.6	5.1	519
	06-08	10.6			34.4						27.8	27.3	6.3	521
	09-11	11.2			36.3						29.4	23.1	6.0	537
	12-14	6.9			42.5						26.4	24.2	6.1	537
	15-17	5.0			45.3						28.2	21.3	6.0	539
	18-20	11.6			35.0						28.8	24.5	6.1	534
	21-23	23.4			31.1						20.8	24.7	5.3	530
TOTALS		16.1			35.0						24.4	24.5	5.7	4245

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 — STATION
LANGLEY AFB,VA — STATION NAME
73-78 — PERIOD
OCT — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	38.2			21.6						15.6	24.5	4.5	550
	03-05	40.6			21.5						14.0	23.7	4.3	549
	06-08	20.5			32.9						23.3	23.3	5.4	557
	09-11	17.7			31.0						23.5	26.9	5.8	558
	12-14	14.5			33.7						27.2	24.6	5.9	558
	15-17	13.8			33.7						28.9	23.7	6.0	558
	18-20	19.7			36.6						18.6	25.1	5.3	558
	21-23	33.9			25.0						15.3	25.9	4.7	557
TOTALS		24.9			29.6						20.8	24.7	5.2	4445

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 — STATION
LANGLEY AFB,VA — STATION NAME
73-78 — PERIOD
NOV — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	40.3			17.4						12.0	30.3	4.6	534
	03-05	43.7			13.4						12.9	30.1	4.6	529
	06-08	24.1			28.2						18.1	29.7	5.4	536
	09-11	19.9			28.4						22.3	29.5	5.8	539
	12-14	14.9			31.2						24.0	29.9	6.1	538
	15-17	14.5			28.6						25.7	31.2	6.3	538
	18-20	21.7			26.5						19.4	32.4	5.8	540
	21 23	31.7			22.1						13.2	33.0	5.2	539
TOTALS		26.4			24.5						18.5	30.8	5.5	4293

USAFETAC FORM JUL 64 0-9-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

SKY COVER

13702 LANGLEY AFB,VA 73-78 DEC
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	35.4			18.3						12.2	34.1	5.1	557
	03-05	37.4			16.6						11.7	34.3	5.0	548
	06-08	22.1			25.1						17.2	35.6	5.9	553
	09-11	13.5			27.6						20.5	38.4	6.5	557
	12-14	13.4			27.2						18.8	40.5	6.6	558
	15-17	11.8			32.3						16.7	39.2	6.4	558
	18-20	24.9			23.3						13.8	38.0	5.7	558
	21-23	33.0			16.5						12.9	37.3	5.4	558
TOTALS		23.9			23.4						15.5	37.2	5.8	4447

USAFETAC FORM JUL 64 0-9-5 (OL-I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13702 | LANGLEY AFB, VA | 73-79 | ALL
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	23.4			19.5						14.6	42.5	6.1	5182
FEB		27.1			20.6						14.3	37.9	5.7	4709
MAR		19.8			19.4						15.0	45.9	6.5	4463
APR		24.2			27.9						18.8	29.2	5.5	4310
MAY		14.8			24.6						24.3	36.1	6.5	4430
JUN		11.5			31.1						27.4	30.0	6.4	4276
JUL		14.8			32.0						26.6	26.6	6.0	4411
AUG		11.4			37.3						30.0	21.3	6.0	4370
SEP		16.1			35.0						24.4	24.5	5.7	4245
OCT		24.9			29.6						20.8	24.7	5.2	4445
NOV		26.4			24.5						18.5	30.8	5.5	4293
DEC		23.9			23.4						15.5	37.2	5.8	4447
TOTALS		19.9			27.1						20.9	32.2	5.9	53581

USAFETAC FORM JUL 64 0-9-5 (OL-I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

* 1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

a. Daily maximum temperatures
b. Daily minimum temperatures
c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

* 2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

a. Extreme maximum temperature
b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

(1) * indicates the extreme was selected from a month with one or more days missing.

(2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

E

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

      NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

   b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

   c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

      NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

74-29968

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

13762 LANGLEY AFB VA 6679
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB.	MAR.	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC.	ANNUAL
≥ 100						.2	.3						.0
≥ 95				.1	.3	3.7	5.1	3.6	.3				1.1
≥ 90				.9	2.7	16.8	29.2	21.7	6.2	.4			6.5
≥ 85			.4	4.9	12.8	39.5	58.5	50.6	24.0	2.6	.1		16.2
≥ 80			3.2	14.0	30.8	63.9	83.5	80.1	46.8	8.8	1.8		27.9
≥ 75	.8	1.3	8.2	25.7	51.1	84.1	98.3	96.0	72.4	23.3	7.8	.6	39.3
≥ 70	4.2	4.9	16.7	39.7	69.7	96.4	99.8	99.9	91.0	49.2	18.2	5.0	49.8
≥ 65	10.6	11.5	25.4	53.8	86.9	99.3	100.0	100.0	97.9	73.2	31.9	13.2	58.9
≥ 60	20.4	21.2	37.5	71.8	96.4	100.0			99.9	89.7	52.2	23.7	67.9
≥ 55	29.7	32.9	53.9	88.6	99.6				100.0	96.9	68.5	34.9	75.6
≥ 50	40.6	46.1	71.0	96.9	100.0					98.9	85.8	51.1	82.1
≥ 45	57.1	61.6	85.9	99.6						99.8	95.1	71.4	89.-
≥ 40	72.6	79.5	96.3	100.0						100.0	99.1	84.6	94.4
≥ 35	86.9	91.7	98.9								100.0	94.3	97.6
≥ 30	95.5	97.9	100.0									99.0	99.4
≥ 25	99.1	99.6										99.9	99.9
≥ 20	99.8	100.0										100.0	100.0
≥ 15	100.0												100.0
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
MEAN	47.9	49.4	56.8	66.8	74.5	82.1	85.7	84.6	78.8	69.1	50.9	50.8	67.2
S D	11.991	11.522	11.399	10.448	8.471	7.239	5.819	5.724	7.028	7.760	9.588	10.758	16.322
TOTAL OBS.	1023	932	1023	990	1023	990	1023	1023	989	1041	990	1023	12050

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

13702 LANGLEY AFB VA 46-79
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV.	DEC	ANNUAL
≤ 80						.2	.6	.5					.1
≤ 75						5.4	21.1	20.7	4.9				4.4
≤ 70					3.5	35.4	69.8	65.2	27.6	1.6	.1		17.1
≤ 65			.7	2.2	19.3	65.6	92.2	88.5	57.2	11.4	1.1		28.4
≤ 60	.3	.3	2.5	10.7	43.4	85.9	98.4	97.2	77.7	28.9	5.5	.7	37.8
≤ 55	1.7	1.3	5.1	23.1	68.3	96.9	100.0	99.6	92.0	50.0	13.0	2.5	46.4
≤ 50	4.1	4.1	12.8	44.7	88.1	99.1		100.0	97.8	68.3	24.5	6.5	54.4
≤ 45	9.8	9.4	29.3	67.5	96.9	99.9			99.9	85.1	40.9	15.4	63.1
≤ 40	22.8	23.9	51.3	88.6	99.4	100.0			100.0	94.0	62.4	30.9	73.0
≤ 35	40.1	43.0	72.9	96.8	100.0					98.6	82.5	49.3	82.1
≤ 33	47.9	51.4	80.6	98.7						99.7	87.6	58.3	85.5
≤ 30	60.1	64.4	90.4	99.9						99.9	94.5	69.7	90.0
≤ 25	78.8	84.4	98.3	100.0						100.0	98.9	86.6	95.6
≤ 20	91.4	93.8	99.9								100.0	96.4	98.5
≤ 15	97.6	98.8	100.0									98.9	99.6
≤ 10	99.4	99.9										100.0	99.9
≤ 5	100.0	100.0											100.0
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
≤													
MEAN	32.3	33.1	40.1	48.6	58.9	66.4	71.0	70.5	64.8	53.9	43.1	34.8	51.4
S.D	9.548	8.862	8.461	7.970	6.994	5.903	4.345	4.828	6.716	8.666	9.157	9.387	16.067
TOTAL OBS	1023	932	1023	990	1023	990	1023	1023	989	1021	990	1023	12050

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

13702 LANGLEY AFB VA ,6-7y
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

	TEMP (°F)	JAN.	FEB	MAR.	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV.	DEC	ANNUAL
≥	90						.1	.2						.0
≥	85						3.6	9.5	7.1	1.1				1.8
≥	80				.3	2.1	22.6	43.4	38.8	11.8	.6			10.1
≥	75			.3	2.5	14.4	52.8	79.9	75.3	37.6	3.3	.1		22.3
≥	70		.1	1.9	11.0	36.7	77.2	97.3	94.9	66.0	13.9	2.6	.1	33.7
≥	65	1.1	1.2	6.2	23.1	60.8	95.3	100.0	99.6	86.7	37.7	8.2	1.4	43.7
≥	60	4.1	3.6	14.1	40.6	82.6	99.2		100.0	97.1	62.6	20.6	4.9	52.7
≥	55	9.8	9.9	25.4	59.9	94.9	100.0			99.9	83.8	37.0	12.6	61.3
≥	50	20.3	21.1	42.2	82.7	99.7				100.0	93.5	56.9	26.0	70.4
≥	45	31.8	36.9	63.9	95.6	100.0					98.4	78.7	41.8	79.1
≥	40	51.5	55.2	83.9	99.5						99.7	92.7	61.8	87.1
≥	35	69.2	76.4	95.3	100.0						100.0	98.2	79.6	93.3
≥	30	85.6	89.7	98.9								99.8	92.5	97.2
≥	25	94.4	97.4	100.0								100.0	98.5	99.2
≥	20	99.0	99.6										99.8	99.9
≥	15	99.7	100.0										100.0	100.0
≥	10	100.0												100.0
≥														
≥														
≥													

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13702 — STATION — LANGLEY AFB VA — STATION NAME — 46-79 — YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46			80	89	87	93	92	91	91	85	79	74	
47	74	68	70	84	92	98	94	93	93	85	70	68	98
48	66	78	88	87	88	96	96	99	91	79	80	68	99
49	74	77	83	86	90	97	97	95	88	85	76	70	97
50	77	68	83	84	94	97	95	93	93	82	85	71	97
51	73	76	71	87	90	95	96	96	91	89	76	78	96
52	75	65	85	92	90	100	101	92	94	87	78	71	101
53	73	74	71	85	94	92	99	97	95	83	78	76	99
54	70	77	85	88	90	97	99	99	98	94	71	67	99
55	68	73	80	88	92	92	97	96	88	84	83	72	97
56	68	72	81	88	95	95	100	94	93	81	78	77	100
57	77	69	73	91	90	97	99	98	93	75	74	68	99
58	60	65	61	83	87	94	96	94	92	87	77	67	96
59	70	73	81	86	90	95	92	96	91	89	81	68	96
60	71	72	81	95	89	97	94	95*	89	83	76	68	97
61	60	74	81	87	85	89	92	92	93	80	79	70	93
62	65	74	76	84	89	89	89	92	89	85	67	58	92
63	68	69	79	91	95	92	94	93	86	87	72	64	95
64	66	63	80	84	88	97	90	90	89	77	78	73	97
65	73	72	71	81	92	91	92	93	88	78	77	69	93
66	73	69	82	83	84	90	95	91	89	78	78	76	95
67	76	71	82	90	88	91	93	90	81	83	72	72	93
68	66	60	83	79	83	95	98	97	88	87	82	70	98
69	61	35	74	83	95	95	96	91	89	78	72	64	96
70	77	65	69	82	91	95	94	91	92	84	71	69	95
71	68	74	77	84	88	95	94	90	86	82	82	77	95
72	68	77	80	85	81	89	94	90	89	82	80	72	94
73	67	65	83	82	88	88	93	93	91	86	81	72	93
74	75	68	82	87	89	92	94	92	90	81	83	69	94
75	75	79	81	82	87	93	91	93	87	83	77	70	93
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM AM 44 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13702 LANGLEY AFB VA 48-79
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
76	72	79	82	87	87	89	95	93	93	74	69	61	95
77	54	76	76	86	89	93	97	99	94	90	78	70	99
78	67	64	74	85	86	91	94	96	92	82	77	77	96
79	66	56											
MEAN	60.5	70.2	78.3	85.9	89.3	93.7	94.9	93.8	90.5	83.5	75.9	70.0	90.0
S D	5.215	6.274	5.775	3.471	3.198	3.097	2.865	2.784	3.243	4.327	4.407	4.430	2.412
TOTAL OBS	1023	932	1023	990	1023	990	1023	1023	989	1021	990	1023	12050

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13702 STATION — LANGLEY AFB VA STATION NAME — 46-79 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46			33	35	46	50	56	53	51	43	31	22	
47	22	13	19	40	41	55	59	58	46	42	30	23	13
48	12	14	25	40	48	58	61	59	57	39	36	14	12
49	27	26	25	36	49	53	70	66	48	47	30	27	25
50	26	19	20	28	43	55	66	60	46	44	21	19	19
51	21	12	29	37	48	58	63	60	47	45	26	14	12
52	21	27	29	38	51	59	63	59	53	33	32	22	21
53	27	27	29	36	55	52	65	63	57	44	32	19	19
54	18	22	27	34	44	53	64	58	55	39	31	26	18
55	15	17	25	37	45	56	61	64	59	40	20	18	15
56	21	23	27	33	37	56	60	67	53	47	26	29	21
57	14	27	33	35	46	61	64	62	56	35	29	14	14
58	18	10	32	36	50	54	69	65	52	42	23	11	10
59	13	20	31	40	47	55	66	63	53	43	25	28	13
60	21	26	20	36	41	56	64	68*	53	35	27	13	13
61	8	15	24	30	30	49	59	57	49	36	28	20	8
62	13	20	25	31	43	51	55	59	47	25	27	10	10
63	17	17	31	40	37	56	58	55	47	36	28	14	14
64	17	24	26	30	45	53	63	54	50	35	23	22	17
65	13	9	25	31	47	47	57	50	52	31	27	18	9
66	13	19	25	31	35	49	58	61	48	32	29	22	13
67	16	15	21	34	41	43	55	60	44	34	24	21	15
68	15	13	24	39	41	55	64	55	54	36	29	18	13
69	15	25	26	36	42	56	66	56	47	34	24	21	15
70	7	15	27	31	46	56	64	62	46	39	21	21	7
1	14	14	29	37	44	59	61	58	51	49	30	24	14
2	6	22	29	31	47	57	55	59	51	36	26	19	6
73	13	14	25	31	41	58	61	60	56	37	32	23	13
74	25	25	26	37	43	56	62	61	53	34	25	25	25
75	21	25	25	34	46	57	61	64	54	38	31	18	18
MEAN													
S.D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM 0-80-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13702 LANGLEY AFB VA 46-79
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR.	APR	MAY	JUN	JUL	AUG	SEP	OCT.	NOV	DEC	ALL MONTHS
76	15	26	28	34	40	51	63	56	48	33	24	19	1
77	7	15	35	40	45	51	65	62	57	41	27	19	1
78	17	18	22	47	41	57	57	69	57#	38	35	23	17
79	21	13											
MEAN	16.6	19.0	26.6	35.1	44.1	4.3	61.7	60.4	51.4	38.2	27.5	19.6	14.4
S D	5.606	5.573	3.089	3.647	4.260	4.018	3.918	4.541	4.117	5.381	3.914	4.630	4.936
TOTAL OBS	1023	932	1023	990	1023	990	1023	1023	989	1021	990	1023	12056

NOTES # (BASED ON LESS THAN FULL MONTH(S)
(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM AIR 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 8-70, 73-79 (YEARS) JAN (MONTH)

PAGE 1 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69						.2												2	2		
68/ 67									.1									1	1		
66/ 65			.3															3	3		
64/ 63		.5	.4															9	9	1	1
62/ 61	.1	.2	.5	.3														11	11	11	4
60/ 59	.2	.8	.2	1.1														21	21	11	10
58/ 57	.3	.2	.4	.1														10	10	13	12
56/ 55	.2	.2	.6	.2														12	12	9	8
54/ 53	.1	.8	.4	.5		.3												20	20	19	5
52/ 51	.1	.5	1.4	.1	.1													21	21	16	11
50/ 49	.1	.5	.6	.1														13	13	13	24
48/ 47	.2	1.8	.3	.6		.1												29	29	28	16
46/ 45	.4	2.6	1.1	.2	.6	.1												47	47	24	26
44/ 43	.5	2.0	1.9	.8	.3													52	52	48	36
42/ 41	.3	2.2	1.5	.6	.6	.1												50	50	35	25
40/ 39	.3	2.4	1.8	1.0	1.0	.1												61	61	48	33
38/ 37	.6	1.8	1.7	1.1	.3													52	52	49	33
36/ 35	.1	1.7	2.4	2.8	.2													67	67	42	39
34/ 33		2.2	3.6	.5	.5													63	63	62	29
32/ 31	.2	1.9	5.0	1.1	.6													82	82	62	39
30/ 29		1.9	4.1	1.8														73	73	71	40
28/ 27	.2	1.5	3.6	1.3														61	61	79	41
26/ 25		2.2	2.3	1.1	.1													52	52	74	33
24/ 23		1.0	2.0	.9														36	36	65	45
22/ 21		.9	2.3	.1														30	30	41	66
20/ 19		.6	1.9	.2														26	26	41	64
18/ 17		.2	.2															4	4	28	48
16/ 15	.1	.3	.3															7	7	20	36
14/ 13		.1	.2															3	3	5	44
12/ 11		.2	.2															4	4	2	22
10/ 9		.5	.1															6	6	4	33
8/ 7		.1																1	1	6	30
6/ 5																				2	27
4/ 3																					14

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	> 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1976 752-510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 8-78,73-79 YEARS | JAN MONTH

0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					8
0/ -1																					7
-2/ -3																					7
-4/ -5																					2
-6/ -7																					6
-8/ -9																					3
-10/-11																					1
-12/-13																					1
TOTAL	4.	32.	0	41.	6	16.6	4.5	1.0			.1							929	929	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4635275	63721	68.6	10.885	929							
Dry Bulb	1338095	33715	36.3	11.109	929		38.5	.3				93
Wet Bulb	1130529	30681	33.0	11.241	929		50.1					93
Dew Point	849041	24493	26.4	14.801	929	2.7	61.8					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | JAN MONTH

 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					
68/ 67			.1																1	1		
66/ 65		.1																	1	1		
64/ 63		.9	.3																11	11	5	2
62/ 61		.5	.4					.1											10	10	7	5
60/ 59	.2	.2	.4	.5															13	13	11	9
58/ 57	.4	.3	.3	.2															12	12	9	11
56/ 55		.5	.6	.4	.1			.1											17	17	7	6
54/ 53		.0	.4	.2	.3	.1													16	16	16	5
52/ 51		1.2	1.3	.3	.1	.1													28	28	15	11
50/ 49	.1	.9	.2	.1	.1	.2													15	15	25	18
48/ 47	.4	.9	.2	.1	.1														16	16	21	25
46/ 45	.4	2.3	.6	.4	.1	.1													37	37	21	25
44/ 43	.8	3.4	1.0	.5															53	53	40	24
42/ 41	.5	1.6	1.9	.5	.3														46	46	45	22
40/ 39	.8	3.0	1.2	1.6	.1														62	62	44	51
38/ 37		1.3	1.9	.8	.4														41	41	42	24
36/ 35	.4	2.2	2.0	1.4	.2	.1													59	59	42	30
34/ 33	.0	2.0	4.0	1.5															76	76	57	37
32/ 31	.1	1.9	3.3	2.3	.3														74	74	54	40
30/ 29	.2	2.0	5.4	.9	.3														82	82	73	33
28/ 27		2.9	3.3	1.4															71	71	79	35
26/ 25	.2	1.3	2.4	.3															39	39	87	48
24/ 23		.8	3.0	.5															40	40	55	48
22/ 21	.2	1.2	2.8	.2															41	41	44	55
20/ 19		.9	1.7	.1															25	25	40	47
18/ 17		.6	.9	.1															15	15	31	54
16/ 15	.1	.9	.4																13	13	24	42
14/ 13		.2	.2																4	4	17	45
12/ 11			.1																1	1	5	35
10/ 9		.0																	6	6	2	39
8/ 7		.5																	5	5	9	22
6/ 5																					3	26
4/ 3																						17
2/ 1																						7

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-O-470-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
-8-70, 73-79 — YEARS
JAN — MONTH

PAGE 2

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
0/ -1																					4
-2/ -3																					10
-4/ -5																					4
-6/ -7																					11
-10/-11																					3
TOTAL	5.0	35.8	40.0	14.5	2.6	.6		.2											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	4769495	64773	69.6	16.670	930							
Dry Bulb	1277169	32821	35.3	11.312	930		41.6	.1				93
Wet Bulb	1090338	30008	32.3	11.463	930		52.3					93
Dew Point	828090	24030	25.8	14.934	930	3.2	62.5					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

PAGE 1 | 0000-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.1															1	1		
68/ 67			.1															1	1		
66/ 65		.2	.4															6	6	1	1
64/ 63		.4																4	4	3	
62/ 61		.6	.3															9	9	8	6
60/ 59	.3	.3	.3															9	9	11	7
58/ 57	.4		.6															10	10	8	15
56/ 55	.1	.4	.4		.1													10	10	6	2
54/ 53	.3	1.2	.4	.2	.4													24	24	14	9
52/ 51	.4	.4	.2	.1	.1													12	12	20	17
50/ 49	.2	.9	.5	.4	.2	.1												22	22	8	14
48/ 47	.1	1.2	.5	.2	.3	.2												24	24	17	11
46/ 45	.4	2.6	1.0	.4	.2													49	49	26	16
44/ 43	.2	2.2	.9		.2													32	32	36	28
42/ 41	1.4	2.0	1.2	.9	.2													53	53	55	30
40/ 39	.3	1.8	1.6	.4	.3													42	42	37	33
38/ 37	.3	2.5	1.9	.6														50	50	32	30
36/ 35	.4	2.8	2.3	1.0	.3													63	63	53	38
34/ 33	.6	2.2	4.0	1.0	.3													75	76	61	24
32/ 31	.2	3.3	3.8	1.1														78	79	57	51
30/ 29		1.7	4.6	.8														66	66	79	47
28/ 27	.1	2.6	3.1	.9														62	62	57	35
26/ 25	.3	2.2	3.7															57	57	85	51
24/ 23	.2	.8	2.4															31	31	55	47
22/ 21		1.3	3.7	.3														49	49	47	54
20/ 19		1.5	1.8															31	31	40	49
18/ 17		1.0	1.1															19	19	43	43
16/ 15	.1	1.5	.2															17	17	27	52
14/ 13		.2	.2															4	4	18	32
12/ 11		.2	.4															6	6	6	42
10/ 9		.9																8	8	5	45
8/ 7		.4																4	4	9	21
6/ 5																				4	13
4/ 3																					20

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1964 O-736-936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | JAN MONTH

0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					15
-2/ -3																					9
-4/ -5																					9
-6/ -7																					7
-8/ -9																					2
-10/-11																					3
TOTAL	6.	739.	342.	6	8.3	2.8	.3											928	930	928	928

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4915226	65888	71.0	15.995	928							
Dry Bulb	1224091	32035	34.4	11.394	930		43.3	.2				93
Wet Bulb	1054056	29388	31.7	11.537	928		53.3					93
Dew Point	808682	23730	25.6	14.757	928	3.0	64.8					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1972 O-476-076

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | JAN MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69				.2	.2													4	4		
68/ 67			.2	.1	.2													5	5		
66/ 65		.1	.1	.2	.2													6	6		
64/ 63		.5	.2	.2														9	9	7	
62/ 61		.3	.2	.2	.1													8	8	8	7
60/ 59	.1	.4	.5	.4			.1											15	15	11	8
58/ 57	.2	.6	.5	.2	.2	.1	.1											19	19	14	12
56/ 55	.4	.5	.2	.3	.2	.2	.1											19	19	19	10
54/ 53	.1	1.0	.8	.4	.3	.2	.1											27	27	15	16
52/ 51		.4	.2	.2	.5	.3												16	16	15	16
50/ 49	.2	1.1	.5	.3	.6	.4	.2											32	32	15	14
48/ 47	.2	1.3	.8	.5	.3	.6												35	35	24	20
46/ 45	.3	1.9	1.1	.9	.9	.4												51	51	32	23
44/ 43	.6	1.4	.8	1.0	1.4	.1	.2											51	51	42	26
42/ 41	.1	1.8	1.8	1.7	1.1	.1												62	62	41	24
40/ 39	.1	2.6	2.2	2.4	.6	.3												76	76	42	24
38/ 37		1.7	2.2	1.8	1.2	.1												65	65	68	26
36/ 35	.1	1.7	3.3	2.7	1.1													83	83	68	37
34/ 33	.1	.9	2.3	2.4	1.0													61	62	78	45
32/ 31	.2	1.5	2.9	1.8	.9													68	68	6	35
30/ 29	.3	1.0	3.1	2.3	.4													66	66	70	49
28/ 27	.1	.5	1.2	1.4														30	30	73	58
26/ 25		.9	2.5	1.2	.2													44	44	60	63
24/ 23		.4	1.7	1.2														31	31	45	42
22/ 21		.3	.9	.5														16	16	45	48
20/ 19			.3	.2														5	5	26	41
18/ 17		.3	.5															8	8	18	47
16/ 15		.3	.5															8	8	11	39
14/ 13		.1	.4															5	5	6	30
12/ 11		.1	.1															2	2	7	42
10/ 9		.1	.1															2	2	5	22
8/ 7																				2	32
6/ 5																					13
4/ 3																					18

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					13
0/ -1																					5
-2/ -3																					6
-4/ -5																					4
-6/ -7																					9
-8/ -9																					5
TOTAL	3.	32	4.0	82.	22	4.9	11.7	3.0	.9									929	930	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4135533	59629	64.2	18.223	929							
Dry Bulb	1488648	35794	38.5	10.931	930		28.5	.9				93
Wet Bulb	1209993	31933	34.4	11.003	929		43.0					93
Dew Point	866447	24755	26.6	14.928	929	2.9	62.2					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1972-759-070/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 58-70, 73-79 YEARS | JAN MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75								.1										1	1		
74/ 73						.4	.2	.1										7	7		
72/ 71			.1		.2	.2	.2	.1										8	8		
70/ 69			.3			.1	.1											5	5		
68/ 67			.2			.1												3	3	1	
66/ 65		.3	.5	.2			.1	.1	.1	.1								14	14	6	2
64/ 63		.5	.3	.3	.1	.4	.1	.1										18	18	11	3
62/ 61		.6	.3	.2	.2	.2	.1	.4										20	20	19	7
60/ 59	.1	.2	.3	.4	.1	.3	.4	.3										21	21	14	15
58/ 57	.2	.2	.4	.2	.6	.4	.3	.1										24	24	9	10
56/ 55	.2	.2	.8	.2	.6	.3	.2	.8	.2									33	33	14	12
54/ 53	.3	.2	.4	.2	.4	.3	.2	.3										23	23	18	17
52/ 51		.4	.6	.3	.2	.4	.3											22	22	17	9
50/ 49		.6	.4	.3	.6	1.2	.4											34	34	29	16
48/ 47	.4	1.1	.3	.9	1.1	1.3	.3	.3										53	53	35	21
46/ 45	.8	1.3	1.4	1.0	1.8	1.1	.3	.2										73	73	32	24
44/ 43		.9	1.0	1.3	1.6	1.0	.2											55	55	39	21
42/ 41		1.2	1.2	1.4	2.2	.4	.3											62	62	45	20
40/ 39		2.0	1.0	1.9	1.3	1.3												70	70	70	28
38/ 37	.1	1.0	1.6	2.2	1.5	1.2												70	70	56	32
36/ 35	.1	.9	.9	3.1	2.0	.5												70	70	67	43
34/ 33	.1	1.1	.9	1.8	1.8	.1												54	54	79	37
32/ 31		.8	1.5	2.0	1.2													51	51	52	34
30/ 29		1.1	1.0	1.9	1.2													48	48	80	37
28/ 27		.3	.5	2.5	.3													34	34	68	50
26/ 25		.8	.8	1.4	.1													28	28	48	48
24/ 23		.3	.1	.3														7	7	46	49
22/ 21			.2	.4														6	6	39	57
20/ 19			.3	.2														5	5	13	52
18/ 17			.4															4	4	4	33
16/ 15		.2	.2															4	4	7	44
14/ 13			.1															1	1	8	28
12/ 11																				2	33
10/ 9																					42

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

U.S. GOVERNMENT PRINTING OFFICE: 1974 762-830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 68-70,73-79 YEARS | JAN MONTH

1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7																					25
6/ 5																					22
4/ 3																					18
2/ 1																					15
0/ -1																					8
-2/ -3																					10
-4/ -5																					4
-8/ -9																					2
TOTAL	2.4	16.3	18.2	24.9	19.4	11.4	4.0	3.0	.3	.1								928	928	928	928

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3367827	52823	56.9	19.736	928							
Dry Bulb	1779445	39209	42.3	11.511	928		18.8	2.4	.8			93
Wet Bulb	1351499	33893	36.5	11.072	928		36.8	.1				93
Dew Point	882202	24852	26.8	15.288	928	2.4	61.2					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-703-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) JAN (MONTH)

1500-1700 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77									.1									1	1		
76/ 75								.2	.1									3	3		
74/ 73					.1	.2	.3	.2										8	8		
72/ 71			.1	.1	.2		.2											6	6		
70/ 69			.2															2	2		
68/ 67				.1		.2	.1											4	4	1	
66/ 65			.1	.4	.1	.1	.2	.1	.1									11	11	5	1
64/ 63		.3	.6	.5	.1	.3	.2	.2	.1									23	23	6	2
62/ 61		.3	.9	.4		.1	.3	.3										22	22	14	5
60/ 59			.3	.3	.2	.5	.2	.1	.1									17	17	18	4
58/ 57	.1	.3	.1	.3	.5	.8	.2	.1	.1									24	24	12	15
56/ 55	.1	.3	.4	.5	.2	.1	.2	.1	.1									20	20	15	17
54/ 53			.5	.5	.1	.3	.3	.3										20	20	12	8
52/ 51		.3	.9	.2	.2	1.1	1.0											34	34	17	16
50/ 49	.1	.5	1.1	.5	1.0	1.1	.3											43	43	32	9
48/ 47	.2	.3	.9	.6	.6	.6	.5	.2										38	38	35	18
46/ 45	.3	1.9	1.3	.9	1.2	1.4	.6	.1										72	72	23	26
44/ 43	.2	1.7	1.8	1.2	1.0	.9	.3											66	66	44	24
42/ 41	.1	1.6	.9	1.0	2.2	.9	.5											66	66	63	37
40/ 39	.1	.8	1.2	2.2	1.4	.6												58	58	64	27
38/ 37	.1	1.2	1.5	2.0	1.8	.9												70	70	48	33
36/ 35	.1	.2	1.1	1.9	2.4	.2												55	55	64	31
34/ 33	.3	1.5	1.6	1.8	2.0	.5												73	73	75	40
32/ 31		1.5	1.0	2.4	1.5													59	59	75	34
30/ 29		.6	1.0	1.9	1.4													46	46	70	47
28/ 27		.5	1.2	2.2	.2													38	38	61	51
26/ 25		1.1	.8	.6														23	23	61	41
24/ 23		.3	.3	.3														9	9	59	46
22/ 21			.1	.8														8	8	27	51
20/ 19				.3														3	3	9	58
18/ 17			.1															1	1	5	53
16/ 15			.2															2	2	4	29
14/ 13		.3																3	3	6	34
12/ 11																				3	38

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | ,8-70,73-79 YEARS | JAN MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
10/ 9																					28
8/ 7																					31
6/ 5																					20
4/ 3																					18
2/ 1																					16
0/ -1																					9
-2/ -3																					1
-4/ -5																					5
-6/ -7																					3
-8/ -9																					1
-10/-11																					1
TOTAL	1.0	15.8	20.2	24.2	18.5	10.9	5.7	2.0	.8										928		928
																		928		928	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3366346	52874	57.0	19.536	928							
Dry Bulb	1767876	39098	42.1	11.407	928		19.2	2.4	1.2			93
Wet Bulb	1335176	33766	36.4	10.722	928		38.1	.1				93
Dew Point	861961	24737	26.7	14.782	928	2.0	61.6					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
68-70, 73-79 — YEARS
JAN — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.1	.1		.4												6	6		
68/ 67			.2	.1	.1	.1												5	5		
66/ 65			.1	.1	.1	.1												4	4	1	
64/ 63		.1	.3	.2	.2	.1												9	9	3	1
62/ 61		.0	.5	.2	.2	.2												17	17	5	3
60/ 59		.3	.1	.2	.1		.2											9	9	17	4
58/ 57		.8	.2	.8	.2	.1	.1											21	21	11	9
56/ 55		.5	.1	.2	.4	.1												13	13	12	16
54/ 53	.3	.5	.5	.6	.4		.2											25	25	18	12
52/ 51	.2	.3	1.1	.2	.2	.1												20	20	15	13
50/ 49	.1	.6	1.0	.8	.4	.3	.1											31	31	18	13
48/ 47		1.2	1.1	.8	.2	.3												33	33	29	15
46/ 45	.1	1.5	1.4	.2	.8	.2												39	39	29	24
44/ 43	.5	3.4	1.7	1.1	.5	.8	.2											77	77	43	26
42/ 41	.2	1.9	1.3	1.8	1.0	.3												61	62	62	41
40/ 39		.8	1.9	2.5	1.6	.5												68	68	40	45
38/ 37		1.0	2.3	2.6	1.5	.1												69	69	44	25
36/ 35	.4	1.6	1.8	2.4	.5	.2												65	65	59	39
34/ 33		2.0	2.5	2.4	1.0	.2												75	75	77	27
32/ 31		1.9	2.5	2.9	1.3													80	80	78	41
30/ 29	.1	1.1	1.6	2.9	.6													59	59	80	49
28/ 27	.1	.8	3.3	2.0														58	58	60	48
26/ 25		1.4	1.6	1.3														40	40	64	44
24/ 23		.3	1.2	.2														16	16	80	35
22/ 21		.1	.5															6	6	39	52
20/ 19		.1	.6	.2														9	9	16	63
18/ 17		.1	.6															7	7	10	48
16/ 15			.3															3	3	7	35
14/ 13			.2															2	2	6	38
12/ 11		.2																2	2	3	33
10/ 9																				3	38
8/ 7																					19
6/ 5																					25
4/ 3																					16

Element (Y)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE: 1967 O-702-670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | JAN MONTH

1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					15
0/ -1																					3
-2/ -3																					9
-4/ -5																					1
-6/ -7																					1
-8/ -9																					2
-10/-11																					1
TOTAL	2.	223.	430.	926.	811.	6 4.3	.9												930		929
																		929		929	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4054411	59001	63.5	0.196	929							
Dry Bulb	1507766	36140	38.9	0.548	930		23.2	1.1				93
Wet Bulb	1217922	32120	34.6	0.303	929		44.6					93
Dew Point	852672	24772	26.7	4.388	929	1.7	61.7					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970-0-410

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 8-70, 73-79 (YEARS) JAN (MONTH)

PAGE 1 2100-2300 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69						.3												3	3		
68/ 67				.1														1	1		
64/ 63		.2	.8		.3													12	12		
62/ 61		.4	.5	.1	.1													11	11	5	
60/ 59		.3	.3	.4	.2	.2												14	14	15	5
58/ 57	.1	.6	.4	.3	.1	.1												16	16	11	18
56/ 55	.1	.5	.1	.1		.2												10	10	12	5
54/ 53	.4	.5	.6	.3	.2		.2											22	22	18	14
52/ 51		.9	1.0	.3		.3												23	23	10	8
50/ 49	.1	.3	.5	.8		.2												18	18	20	19
48/ 47		2.3	.4	.9		.1												34	34	17	13
46/ 45	.1	2.5	1.4	.9	.4	.3												52	52	35	23
44/ 43	.8	1.8	1.6	.8	.1	.1												48	48	47	33
42/ 41	.1	1.8	1.6	.6	.4													43	43	50	31
40/ 39	.5	1.7	2.3	1.8	1.1	.2												71	71	43	34
38/ 37	.2	1.7	1.9	2.6	.8	.2												69	69	49	37
36/ 35		1.7	3.7	2.6	.6													80	80	43	44
34/ 33	.1	1.8	3.0	1.8	.1													64	64	68	32
32/ 31	.1	1.8	3.0	2.9	.8													80	80	81	38
30/ 29		1.5	2.0	2.8	.6													65	65	78	35
28/ 27	.1	1.7	3.0	1.6														60	60	64	43
26/ 25	.1	1.5	2.5	1.8														55	55	64	48
24/ 23		.6	1.4	.2														21	21	78	54
22/ 21	.2	.9	1.7	.1														27	27	49	48
20/ 19			.9															8	8	33	66
18/ 17		.2	.4															6	6	12	36
16/ 15		.2	.4															6	6	8	46
14/ 13		.1	.5															6	6	6	42
12/ 11		.1	.1															2	2	7	34
10/ 9		.3																3	3	4	27
8/ 7																				3	14
6/ 5																					26
4/ 3																					28
2/ 1																					11

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE 16-76225-10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
0/ -1																					4
-2/ -3																					6
-4/ -5																					6
-6/ -7																					1
-8/ -9																					1
TOTAL	3.	128.	336.	223.	9	5.9	2.4	.2										930	930		930
																				930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4413604	61980	66.6	17.452	930							
Dry Bulb	1389634	34570	37.2	10.611	930		33.9	.4				93
Wet Bulb	1149462	31160	33.5	10.653	930		48.7					93
Dew Point	837364	24556	26.4	14.263	930	1.8	61.4					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1977-240-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 68-70,73-79 YEARS | JAN MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
78/ 77									.0									1	1		
76/ 75								.0	.0									4	4		
74/ 73					.0	.1	.1	.0										15	15		
72/ 71			.0	.0	.1	.0	.1	.0										14	14		
70/ 69			.1	.0	.0	.1	.0											23	23		
68/ 67			.1	.1	.0	.1	.0		.0									21	21	2	
66/ 65		.1	.2	.1	.1	.0	.0	.0	.0	.0								45	45	13	4
64/ 63		.4	.4	.2	.1	.1	.0	.0	.0									95	95	36	9
62/ 61	.0	.5	.5	.2	.1	.1	.1	.1										108	108	77	37
60/ 59	.1	.3	.3	.4	.1	.1	.1	.1	.0									119	119	108	62
58/ 57	.2	.4	.4	.3	.2	.2	.1	.0	.0									136	136	87	102
56/ 55	.1	.4	.4	.3	.2	.1	.1	.1	.0									134	134	94	76
54/ 53	.2	.6	.5	.4	.3	.2	.1	.1										177	177	130	86
52/ 51	.1	.6	.8	.2	.2	.3	.2											176	176	125	101
50/ 49	.1	.7	.6	.4	.4	.4	.1											208	208	160	127
48/ 47	.2	1.3	.6	.6	.3	.4	.1	.1										262	62	206	139
46/ 45	.4	2.1	1.2	.6	.8	.3	.1	.0										420	420	222	187
44/ 43	.5	2.1	1.3	.8	.6	.3	.1											434	434	339	218
42/ 41	.3	1.8	1.4	1.1	1.0	.2	.1											443	444	396	230
40/ 39	.3	1.9	1.6	1.7	.9	.4												508	508	388	275
38/ 37	.2	1.5	1.9	1.7	.9	.3												486	486	388	240
36/ 35	.2	1.6	2.2	2.2	.9	.1												542	542	438	301
34/ 33	.2	1.7	2.7	1.7	.6	.1												541	543	557	271
32/ 31	.1	1.8	2.9	2.1	.8													572	573	521	312
30/ 29	.1	1.4	2.9	1.9	.6													505	505	601	337
28/ 27	.1	1.4	2.4	1.7	.1													414	414	541	361
26/ 25	.1	1.4	2.0	1.0	.1													338	338	543	376
24/ 23	.0	.6	1.5	.5														191	191	433	366
22/ 21	.1	.6	1.5	.3														183	183	331	431
20/ 19		.4	1.0	.2														112	112	218	440
18/ 17		.3	.5	.0														64	64	151	362
16/ 15	.0	.4	.3															60	60	108	323
14/ 13		.1	.2															28	28	72	293
12/ 11		.1	.1															17	17	35	279

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1973-782-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
10/ 9		.3	.0															25	25	23	274
8/ 7		.1																10	10	29	194
6/ 5																				9	172
4/ 3																					149
2/ 1																					100
0/ -1																					40
-2/ -3																					58
-4/ -5																					35
-6/ -7																					38
-8/ -9																					16
-10/-11																					9
-12/-13																					1
TOTAL	3.7	20.9	32.8	20.5	9.6	4.2	1.5	.7	.1	.0								7431	7435	7431	7431

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	33657717	480689	64.7	18.574	7431							
Dry Bulb	11772724	283382	38.1	11.433	7435		252.2	7.8	2.0			744
Wet Bulb	9533975	252949	34.0	11.150	7431		366.9	.2				744
Dew Point	6786459	195925	26.4	14.769	7431	19.7	497.2					744

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69							.1											1	1		
68/ 67						.2												2	2		
66/ 65						.1												1	1		
64/ 63		.4	.2				.1											6	6	2	
62/ 61			.1	.2	.4	.4												9	9	1	2
60/ 59			.5	.5	.4	.1	.4											15	15	2	1
58/ 57		.8	.2	.2	.2	.4	.4	.1										20	20	9	2
56/ 55		.5		.4	.4	.4	.4											16	16	10	5
54/ 53		.8	.6	.2	.5		.2											20	20	18	11
52/ 51		.4	.2		.2	.1												8	8	12	10
50/ 49		.9	.5	.2	.5	.2												20	20	15	8
48/ 47		.5	.7	.2	.8	.5												23	23	25	18
46/ 45	.1	.9	.8	.2	.4	.1												22	22	15	14
44/ 43		2.0	1.3	1.8	.8	.2												52	52	30	15
42/ 41	.1	2.1	1.7	1.2	.8	.4												53	53	37	20
40/ 39		3.1	1.7	1.3	.2	.1												54	54	42	31
38/ 37	.1	1.3	2.0	3.5	.6													64	64	59	26
36/ 35		1.2	2.7	1.5	1.1													55	55	35	38
34/ 33	.1	3.2	3.4	2.4	.5													81	81	69	28
32/ 31	.1	3.7	2.7	2.8														79	79	81	33
30/ 29	.4	1.8	3.4	3.4	.4													79	79	76	73
28/ 27		1.8	2.7	1.3	.1													50	50	66	53
26/ 25		1.4	2.1	.9														38	38	73	55
24/ 23	.1	.5	1.9	.5														25	25	64	45
22/ 21	.1	.8	2.0	.4														28	28	32	43
20/ 19		1.4	.5															16	16	34	51
18/ 17		.1	.6															6	6	25	54
16/ 15		.4																3	3	7	39
14/ 13																				5	29
12/ 11																					44
10/ 9																					38
8/ 7																					22
6/ 5																					11
4/ 3																					8

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
2/ 1																						12
-2/ -3																						4
-4/ -5																						3
TOTAL	1.2	29.9	32.6	23.3	8.2	3.2	1.5	.1												846		846
																			846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3826642	55142	65.2	16.588	846							
Dry Bulb	1238324	31168	36.8	10.323	846		32.2	.3				84
Wet Bulb	994926	27818	32.9	9.743	846		46.2					84
Dew Point	684568	21592	25.5	12.569	846	.7	61.3					84

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1977-701-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67						.1												1	1		
66/ 65		.4		.1		.2												6	6		
64/ 63				.2	.1													3	3	3	1
62/ 61			.1	.2														3	3		2
60/ 59		.4	.2	.1	.1	.2												9	9	3	
58/ 57		.2	.2	.6	.4	.4		.4										18	18	8	3
56/ 55		.5	.1	.6	.1	.1												12	12	7	5
54/ 53		.4	.6	.5	.1	.1												14	14	8	5
52/ 51		.1	.2	.5	.2	.1												10	10	10	7
50/ 49	.4	.0	.5	.7	.4	.1	.1											23	23	19	12
48/ 47	.2	1.1	.1	.4	.5	.4												22	22	19	11
46/ 45		1.4	.8	.5	.6	.1												29	29	21	15
44/ 43		2.2	1.1	1.1	.7													43	43	27	15
42/ 41		1.5	.6	1.8	.6	.1												39	39	34	27
40/ 39	.4	3.0	2.1	1.4	.2	.2												62	62	40	31
38/ 37		1.9	1.7	1.8	1.1													54	54	44	29
36/ 35	.4	1.9	2.8	2.1	.4													64	64	57	27
34/ 33		2.2	4.4	1.3	.4													70	70	51	28
32/ 31		4.3	2.2	2.0	.2													74	74	89	36
30/ 29	.7	1.4	4.1	1.9														69	69	73	64
28/ 27		2.8	2.2	2.0	.2													62	62	54	47
26/ 25	.1	2.8	2.1	.5														47	47	87	59
24/ 23		.7	1.7	.8														27	27	51	52
22/ 21		1.8	2.1	.4														36	36	43	47
20/ 19		.8	2.7	.1														31	31	40	47
18/ 17		.9	.7															14	14	29	53
16/ 15		.1	.4															4	4	22	37
14/ 13																				6	35
12/ 11																				1	35
10/ 9																					32
8/ 7																					32
6/ 5																					11
4/ 3																					18
2/ 1																					9

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

PAGE 2 0300-0500 (HOURS (L. S. T.))

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
0/ -1																					5
-2/ -3																					7
-4/ -5																					1
-6/ -7																					1
TOTAL	2.1	33.5	33.9	21.5	6.3	2.2	.1	.4										846	846	846	846

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3974265	56353	66.6	16.155	846							
Dry Bulb	1154473	30019	35.5	10.280	846		36.1	.1				84
Wet Bulb	943353	26993	31.9	9.857	846		49.1					84
Dew Point	658155	21015	24.8	12.693	846	1.4	62.4					84

FORM 0-26-5 (OL A) JUL 64 USAFETAC REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970-0-570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65		.1	.1	.4	.2	.1												8	8		
64/ 63		.1		.1														2	2	3	
62/ 61		.1	.4	.1														5	5	1	3
60/ 59		.4	.4															6	6	4	
58/ 57		.2	.1	.4	.2	.1	.1	.2										12	12	9	7
56/ 55		.1		.2	.5													7	7	6	5
54/ 53		.5	.6	.6	.2													16	16	3	4
52/ 51		.1	.1	.4	.1													6	6	9	4
50/ 49	.4	.9		.8	.2	.1												21	21	14	11
48/ 47	.2	.6	.2	.8	.2		.1											19	19	22	15
46/ 45	.1	1.2	.6	.7	1.1	.6												36	36	19	4
44/ 43		3.4	.7	.5	.9													47	47	21	20
42/ 41	.1	1.9	1.1	.6	.5													35	35	45	24
40/ 39	.2	2.8	2.0	1.9	.1													60	60	32	36
38/ 37	.2	2.7	2.6	2.5	.6													73	73	47	24
36/ 35		.8	2.7	1.9	.1													47	47	55	35
34/ 33		1.9	5.2	1.4	.7													78	78	62	22
32/ 31	.1	3.9	2.7	.7	.4													66	66	73	35
30/ 29	.2	1.9	5.1	1.1	.4													73	73	78	55
28/ 27		2.1	3.0	1.1	.1													53	53	59	57
26/ 25	.4	2.5	4.7	.5														68	68	82	50
24/ 23		.9	1.1	.1														18	18	61	48
22/ 21		1.2	1.8															25	25	46	61
20/ 19		1.3	1.5	.4														27	27	27	55
18/ 17		.8	1.4															19	19	17	39
16/ 15		.6	.9															13	13	27	49
14/ 13		.4	.4															6	6	11	37
12/ 11																				11	35
10/ 9																				2	30
8/ 7																					26
6/ 5																					13
4/ 3																					15
2/ 1																					9
0/ -1																					4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 68-70,73-79 YEARS | FEB MONTH

PAGE 2 | 0600-0600 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPPESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/ -3																					11
-4/ -5																					2
-6/ -7																					1
TOTAL	2.0	33.6	39.4	17.0	6.6	.9	.2	.2											846		846
																		846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4057032	57044	67.4	15.790	846							
Dry Bulb	1122609	29565	34.9	10.286	846		36.5					84
Wet Bulb	924894	26678	31.5	9.948	846		49.0					84
Dew Point	652278	20872	24.7	12.749	846	1.8	62.8					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
..8-70, 73-79 — YEARS
FEB — MONTH

0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
74/ 73								.1											1	1		
72/ 71			.1				.1												2	2		
70/ 69			.1			.2	.1												4	4		
68/ 67		.1		.2		.2				.1									6	6	2	
66/ 65			.2	.5	.1	.1		.2											10	10	1	2
64/ 63		.1	.1	.1	.1	.2	.1	.1											9	8	1	1
62/ 61		.1	.4		.1	.1	.1	.1	.1										9	9	6	
60/ 59		.4	.2	.1		.2	.2	.5	.1										15	15	12	5
58/ 57		.2		.4	.4	.1	.2												11	11	8	7
56/ 55		.1	.2	.1	.4	.4	.8	.1											18	18	7	6
54/ 53		.2		.2	.4		.5		.1										12	12	8	5
52/ 51		.8	.4	.4	.2	.8	.5	.1											27	27	9	8
50/ 49	.1	.9		.6	.2	1.1	.9	.1											34	34	19	11
48/ 47		1.1	.4	.9	.8	1.7	.4												44	44	21	15
46/ 45		1.5	.9	.9	1.7	1.1	.2												54	54	27	16
44/ 43	.1	1.5	.9	1.1	2.0	.9	.1												57	57	35	12
42/ 41	.1	2.2	1.2	1.3	1.7	.5	.1												60	60	44	19
40/ 39		2.4	1.8	3.2	2.1	.1	.1												82	82	60	28
38/ 37		1.4	1.4	2.4	1.5	.5	.1												62	62	79	28
36/ 35	.4	1.4	1.3	2.4	1.4	.4													61	61	75	34
34/ 33		2.4	1.1	1.4	1.7	.2													57	57	71	34
32/ 31	.1	2.0	1.7	3.3	.8	.1													68	68	73	51
30/ 29	.1	.4	2.5	2.1	.7														49	49	55	52
28/ 27	.1	1.1	1.4	1.8	.1														38	38	55	51
26/ 25		.1	1.2	.8															18	18	72	57
24/ 23			.4	.5															7	7	39	39
22/ 21			1.1	.4															12	12	23	63
20/ 19		.7	.5	.1															11	11	18	46
18/ 17		.2	.6																7	7	12	34
16/ 15			.2																2	2	10	37
14/ 13																					4	38
12/ 11																					1	40
10/ 9																						33
8/ 7																						25

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GOVERNMENT PRINTING OFFICE: 1971-702-670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 5																					3
4/ 3																					14
2/ 1																					11
0/ -1																					7
-2/ -3																					12
-4/ -5																					2
TOTAL	1.1	21.5	70.2	25.2	16.4	9.0	4.7	1.4	.4	.1								846	846	846	846

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3226661	49631	58.7	19.309	846							
Dry Bulb	1448607	33869	40.0	10.473	846		21.0	1.3	.1			84
Wet Bulb	1099127	29377	34.7	9.670	846		35.9	.2				84
Dew Point	697328	21562	25.5	13.224	846	2.1	61.1					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | FEB MONTH

1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79						.1												1	1		
78/ 77						.1		.1		.1								3	3		
76/ 75				.1	.1	.1		.1	.1	.1								6	6		
74/ 73						.1	.1	.1	.1	.1		.1	.1					7	7		
72/ 71					.1			.2			.1							4	4		
70/ 69							.1	.1	.4									5	5	2	
68/ 67			.1				.4	.1	.4	.2	.2							12	12	2	
66/ 65	.1					.1	.2	.1	.2	.1	.2							10	10	2	2
64/ 63		.5	.1	.6			.1	.1	.4	.2								17	17	5	4
62/ 61		.1	.4	.4		.1	.4		.5	.2								17	17	5	3
60/ 59			.1		.1	.8	.4	.6	.8		.1							25	25	12	2
58/ 57		.4	.1	.1	.1	.5	.2	.7	.4	.1								22	22	7	3
56/ 55		.7	.1	.4	.2	.2	.2	1.1	.2	.1								28	28	15	13
54/ 53		.1	.7	.1	.7	.5	.7	1.1										33	33	11	8
52/ 51	.1	.2	.6	.2	.7	.4	1.9	.4										38	38	16	6
50/ 49		1.2		.5	.4	1.5	1.1	.1										40	40	30	7
48/ 47		1.1	.6	.1	1.4	1.5	.9	.1										49	49	35	13
46/ 45		.8	1.1	.5	1.4	.5	.8	.5										47	47	31	25
44/ 43		.5	1.2	.8	.7	1.5	.7											46	46	42	10
42/ 41		1.8	1.8	3.0	1.7	1.4	.4	.2										86	86	53	21
40/ 39		2.2	.5	2.1	1.1	1.8	.4											68	68	78	34
38/ 37		1.2	1.7	.8	2.0	1.3												59	59	79	23
36/ 35	.1	1.3	1.5	1.2	2.2	.7												60	60	61	36
34/ 33		1.4	1.3	1.1	1.4	.6												49	49	73	37
32/ 31		.0	1.3	2.0	1.2	.2												45	45	58	44
30/ 29		.1	.6	1.2	1.1													25	25	67	43
28/ 27	.1	.2	.1	.6	.5													13	13	51	63
26/ 25		.4	.8	.5														14	14	44	55
24/ 23			.2	.1														3	3	26	46
22/ 21			.9															8	8	20	49
20/ 19		.4	.2	.1														6	6	13	45
18/ 17																				5	37
16/ 15																				3	31
14/ 13																					33

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) ,8-70,73-79 (YEARS) FEB (MONTH)

 1200-1400 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11																					42
10/ 9																					32
8/ 7																					18
6/ 5																					11
4/ 3																					13
2/ 1																					13
0/ -1																					14
-2/ -3																					8
-4/ -5																					2
TOTAL	.5	15.1	16.1	16.4	17.1	14.2	9.0	5.8	3.4	1.4	.7	.1	.1						846			846
																		846		846		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2671451	44051	52.1	21.143	846							
Dry Bulb	1763464	37406	44.2	11.386	846		11.3	3.8	1.7			84
Wet Bulb	1244582	31380	37.1	9.768	846		28.5	.4				84
Dew Point	720733	21807	25.8	13.701	846	2.4	59.5					84

USAFETAC FORM 0-26-5 (OL. A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1974-720-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79										.1	.2							3	3		
78/ 77					.2					.2								4	4		
76/ 75					.1		.2			.1			.1					5	5		
74/ 73					.1			.2		.4			.1					7	7		
72/ 71								.1	.1	.1	.2	.1						6	6		
70/ 69								.1	.2		.1							4	4	2	
68/ 67		.1	.2		.1		.2	.1	.1	.4	.5							15	15	1	
66/ 65						.2				.4	.1							6	6	3	2
64/ 63		.1		.1		.1	.8	.4	.6	.2								20	20	3	3
62/ 61		.2	.2			.1	.1	.1	.8	.4								17	17	4	3
60/ 59		.5	.5		.2	.1	.2	.4	.2	.4	.2							23	23	9	2
58/ 57		.4	.2	.2	.5	.4	.1	1.5	.4									31	31	11	3
56/ 55			.2		.2	.2	.1	.9	.6									20	20	14	9
54/ 53		.4	.6	.1	.4	.2	.4	.7										23	23	10	3
52/ 51		.4	.4	.5	.7	.5	.9	.5										32	32	20	7
50/ 49		1.4	1.1	.7	.4	1.7	.9											52	52	27	8
48/ 47		.6	.6	1.5	.5	1.3	1.1	.6										52	52	39	16
46/ 45	.1	.8	.8	.5	1.4	1.2	1.1	.2										52	52	37	22
44/ 43		.9	.6	1.1	1.4	1.4	1.4	.4										61	61	48	9
42/ 41		.8	1.8	1.9	1.8	1.2	.1	.1										65	65	60	37
40/ 39		1.1	1.1	3.6	1.7	1.8	.2											79	79	55	21
38/ 37		1.2	.8	1.4	1.1	.8												45	45	61	23
36/ 35		1.5	1.2	1.8	1.5	1.7												65	65	70	38
34/ 33	.4	1.2	1.4	1.4	.7	.8												50	50	99	30
32/ 31	.1	1.1	1.8	2.8	.6	.5												58	59	64	36
30/ 29			.5	.5	1.1													17	17	63	48
28/ 27			.1	.7	.4													10	10	38	70
26/ 25		.2	1.4															14	14	56	67
24/ 23																				18	47
22/ 21		.1		.4														4	4	25	52
20/ 19		.2	.4															5	5	2	42
18/ 17																				3	38
16/ 15																				3	37
14/ 13																					38

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972 759-080

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11																					37
10/ 9																					23
8/ 7																					11
6/ 5																					13
4/ 3																					12
2/ 1																					16
0/ -1																					10
-2/ -3																					9
-4/ -5																					3
TOTAL	.6	13.3	15.9	19.2	15.0	14.2	8.0	0.4	3.1	2.6	1.4	.1	.2						846		845
																		845		845	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2622279	43525	51.5	21.279	845							
Dry Bulb	1792110	37728	44.6	11.389	846		10.8	4.4	1.9			84
Wet Bulb	1248415	31479	37.3	9.472	845		27.0	.3				84
Dew Point	709351	21759	25.8	13.289	845	2.2	60.5					84

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1982-361-278/2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION — LANGLEY AFB, VA STATION NAME — 68-70, 73-79 YEARS — FEB MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79											.2							2	2		
74/ 73									.2									2	2		
72/ 71								.1	.1									2	2		
70/ 69							.1											1	1		
68/ 67			.2	.1							.1							4	4		
66/ 65		.2	.2			.1		.1										6	6	1	
64/ 63			.2	.1	.1	.6	.2		.6	.1								17	17	3	2
62/ 61		.5	.1		.4	.7	.2		.4									19	19	4	3
60/ 59		.6	.5		.5	.1		.1	.2									17	17	7	4
58/ 57		.1		.1	.4		.5	.7	.1	.1								17	17	12	4
56/ 55		.1		.2	.1	.2	.8	.5	.1									18	18	10	9
54/ 53		.5	.1	.4	.4	.1	.8	.4										22	22	10	1
52/ 51		.6	.7	.2	.4	.6	.4	.2										26	26	18	7
50/ 49		.9	.5	.1	.4	.4		.1										20	20	18	8
48/ 47	.1	.6	.5	.7	1.2	.6	.1	.1										33	33	25	18
46/ 45	.2	1.1	.7	.2	1.8	.9												42	42	28	21
44/ 43		1.3	.8	1.9	2.0	.7	.1	.1										59	59	34	17
42/ 41		2.1	1.9	1.3	1.2	.5	.1											60	60	49	28
40/ 39		1.3	2.3	2.7	.9	1.2	.2											73	73	44	20
38/ 37		.7	2.4	2.7	1.9	.8												72	72	70	10
36/ 35		1.5	3.3	2.8	1.5													78	78	62	34
34/ 33		2.6	2.1	1.8	.i													61	61	86	31
32/ 31	.2	2.0	3.0	2.4	1.1	.1												74	74	81	44
30/ 29		.5	2.1	1.5	.9													43	43	75	75
28/ 27		.2	1.9	1.2	.7													34	34	63	69
26/ 25		.4	.9	1.1	.4													23	23	50	70
24/ 23		.1	.7	.1														8	8	44	37
22/ 21			.6	.1														6	6	21	57
20/ 19			.4															3	3	19	46
18/ 17			.1															1	1	6	36
16/ 15																				3	35
14/ 13																					36
12/ 11																					30
10/ 9																					30

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1977 703-090

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) L 'OLEY AFB,VA (STATION NAME) ?-70,73-79 (YEARS) FEB (MONTH)

PAGE 2 1800-2000 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
8/ 7																					10
6/ 5																					5
4/ 3																					11
2/ 1																					17
0/ -1																					9
-2/ -3																					3
-4/ -5																					2
-6/ -7																					2
-8/ -9																					1
-10/-11																					1
TOTAL	.6	18.0	6.3	1.9	16.8	7.7	3.7	2.5	1.8	.2	.4							843	843	843	843

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3191511	49233	58.4	19.379	843							
Dry Bulb	1491806	34344	40.7	10.488	843		19.1	1.1	.4			84
Wet Bulb	1120550	29702	35.2	9.377	843		36.1					84
Dew Point	705879	21857	25.9	12.857	843	1.8	62.4					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GPO GOVERNMENT PRINTING OFFICE: 1974 720-040

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION — LANGLEY AFB, VA STATION NAME — 68-70, 73-79 YEARS — FEB MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
72/ 71								.1										1	1		
68/ 67						.1												1	1		
66/ 65		.1	.2		.1	.2												6	6		
64/ 63		.2			.2	.2												6	6	2	
62/ 61			.1	.5	.5	.1		.1										11	11	3	3
60/ 59		.1	.4	.5	.4	.4		.5										18	18		2
58/ 57		.4	.1	.2	.1	.2	.7	.1										16	16	10	
56/ 55		.1	.1	.6	.2	.2	.5	.1										16	16	16	4
54/ 53		.5	.7		.4	.5	.4											20	20	7	7
52/ 51	.2	1.2	.7	.1	.4	.8	.2	.1										32	32	20	11
50/ 49		.8	.4	.5	.6	.5	.2											25	25	22	19
48/ 47		.9	.1	.4	.8													19	19	17	17
46/ 45		1.3	.9	.6	1.3	.2												37	37	31	22
44/ 43	.1	1.3	.9	1.4	1.3	.1												44	44	31	15
42/ 41	.2	2.3	1.7	1.1	1.5	.2												59	59	41	18
40/ 39	.1	1.3	1.7	2.3	1.5	.2												60	60	42	29
38/ 37		1.4	3.6	2.1	.9	.1												69	69	53	14
36/ 35		1.3	2.4	1.8	1.5	.1												60	60	53	30
34/ 33		4.3	2.6	2.7	.6	.1												87	87	80	30
32/ 31	.1	3.0	3.8	3.2	.2													87	87	88	50
30/ 29	.1	1.2	3.1	1.3	.2													50	50	70	73
28/ 27	.1	.7	2.5	1.7														42	42	77	64
26/ 25	.1	.4	2.6	.7														32	32	64	61
24/ 23		.1	1.1	1.4														22	22	38	41
22/ 21		.8	1.1															16	16	35	48
20/ 19		.2	.4															5	5	23	57
18/ 17			.2															2	2	16	31
16/ 15																				4	51
14/ 13																					44
12/ 11																					23
10/ 9																					26
8/ 7																					13
6/ 5																					9
4/ 3																					6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1962-O-678-018

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13739 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					12
0/ -1																					4
-2/ -3																					4
-4/ -5																					4
-6/ -7																					1
TOTAL	1.2	24.0	1.3	23.0	12.9	4.5	2.0	1.1											843		843
																		843		843	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3607973	53111	63.0	17.635	843							
Dry Bulb	1347784	32548	38.6	10.113	843		25.5	.2				84
Wet Bulb	1057356	28776	34.1	9.443	843		41.4					84
Dew Point	709746	22082	26.2	12.488	843	1.3	62.0					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1967-702-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
58-70, 73-79 — YEARS
FEB — MONTH
PAGE 1
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79						.0				.0	.1							6	6		
78/ 77					.0	.0		.0		.0								7	7		
76/ 75				.0	.0	.0	.0	.0	.0	.0			.0					11	11		
74/ 73					.0	.0	.0	.1	.0	.1		.0	.0					17	17		
72/ 71			.0		.0		.0	.1	.0	.0	.0	.0						15	15		
70/ 69			.0			.0	.1	.0	.1		.0							15	15	4	
68/ 67		.0	.1	.0	.0	.1	.1	.0	.1	.1	.1							41	41	5	
66/ 65	.0	.1	.1	.1	.1	.2	.0	.1	.0	.1	.0							53	53	7	6
64/ 63		.2	.1	.2	.1	.1	.2	.1	.2	.1								79	79	22	11
62/ 61		.1	.2	.2	.2	.2	.1	.0	.2	.1								90	90	23	19
60/ 59		.3	.3	.1	.2	.3	.1	.3	.2	.0	.0							128	128	49	16
58/ 57		.3	.1	.3	.3	.3	.3	.5	.1	.0								147	147	74	29
56/ 55		.3	.1	.3	.3	.2	.4	.3	.1	.0								135	135	65	56
54/ 53		.4	.5	.3	.4	.2	.4	.3	.0									160	160	75	44
52/ 51	.0	.5	.4	.3	.4	.4	.5	.2										179	179	114	60
50/ 49	.1	1.0	.4	.5	.4	.7	.4	.0										235	235	164	84
48/ 47	.1	.8	.4	.6	.8	.7	.3	.1										201	261	203	123
46/ 45	.1	1.1	.8	.5	1.2	.6	.3	.1										319	319	209	139
44/ 43	.0	1.7	.9	1.2	1.2	.6	.3	.1										409	409	268	113
42/ 41	.1	1.8	1.4	1.5	1.2	.5	.1	.0										457	457	363	194
40/ 39	.1	2.1	1.6	2.3	1.0	.7	.1											538	538	393	230
38/ 37	.0	1.5	2.0	2.2	1.2	.4	.0											498	498	492	177
36/ 35	.1	1.4	2.2	1.9	1.2	.4												490	490	468	272
34/ 33	.1	2.4	2.7	1.7	.8	.2												533	533	591	240
32/ 31	.1	2.6	2.4	2.4	.6	.1												551	552	607	329
30/ 29	.2	.9	2.7	1.6	.6													405	405	557	483
28/ 27	.0	1.1	1.7	1.3	.3													302	302	463	474
26/ 25	.1	1.0	2.0	.6	.0													254	254	528	474
24/ 23	.0	.3	.9	.4														110	110	341	355
22/ 21	.0	.6	1.2	.2														135	135	245	420
20/ 19		.6	.8	.1														104	104	178	389
18/ 17		.3	.5															49	49	113	322
16/ 15		.1	.2															22	22	79	316
14/ 13		.0	.0															6	6	26	290

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1978 760-016/0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11																				13	286
10/ 9																				?	244
8/ 7																					157
6/ 5																					76
4/ 3																					97
2/ 1																					99
0/ -1																					53
-2/ -3																					58
-4/ -5																					19
-6/ -7																					5
-8/ -9																					1
-10/-11																					1
TOTAL	1.2	23.6	7.0	20.9	12.4	7.0	3.7	2.2	1.1	.5	.3	.0	.0					6761	6762	6761	6761

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	27177814	408090	60.4	19.406	6761							
Dry Bulb	11354177	266647	39.4	11.143	6762		192.7	11.1	4.1			672
Wet Bulb	8633203	232203	34.3	9.868	6761		313.3	.9				672
Dew Point	5538038	172546	25.5	12.955	6761	13.6	491.8					672

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) ,7-70,73-78 (YEARS) MAR (MONTH)

0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71				.1	.1													2	2		
70/ 69				.1	.2	.2												5	5		
68/ 67			.8	.3	.1	.1												12	12		
66/ 65		.1	.3	.8	.6													17	17	2	
64/ 63		.2	1.2	1.1	.4													27	29	11	1
62/ 61			.8	.2	.1	.2	.2											14	14	11	10
60/ 59	.1	.3	.5	1.1	.1	.3	.1											24	24	25	7
58/ 57		.4	.3	1.2	1.0	.1	.1											29	29	23	21
56/ 55	.2	.5	1.1	1.6	.1	.1												34	34	19	15
54/ 53	.5	.6	1.6	1.3	.5	.2	.3											48	48	23	23
52/ 51	.3	.8	1.3	.5	.6	.2	.1											37	37	45	22
50/ 49	.8	1.8	2.3	2.2	1.1	.5	.1											81	81	54	44
48/ 47	.5	1.0	1.2	1.9	2.1	.4												66	67	52	32
46/ 45	.0	2.5	1.8	1.4	1.0	.8												76	78	50	47
44/ 43		1.7	3.5	1.5	1.5	1.0												85	85	63	52
42/ 41		1.5	2.9	2.4	.9	.8	.1											79	79	73	36
40/ 39		2.5	3.7	2.1	.9	.2												86	86	87	38
38/ 37		1.8	1.2	1.6	1.2													54	54	73	64
36/ 35	.1	1.1	1.7	.5	.4													36	36	94	70
34/ 33		.8	1.2	1.6	.2													35	35	52	55
32/ 31		1.1	1.4	.3	.6													32	32	52	67
30/ 29		.4	.5	.8	.1													17	17	35	46
28/ 27		.8	.6	1.0	.1													23	23	34	45
26/ 25		.3	.1	.1														5	5	18	46
24/ 23																				21	30
22/ 21		.1																1	1	6	33
20/ 19																				2	36
18/ 17																					29
16/ 15																					16
14/ 13																					5
12/ 11																					10
10/ 9																					12
8/ 7																					5
6/ 5																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1974-762-510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) MAR (MONTH)

PAGE 2 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
4/ 3																						1
2/ 1																						4
TOTAL	3.4	20.4	30.1	25.7	14.2	5.2	1.1												925	930	925	925

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4538740	63032	68.1	16.236	925							
Dry Bulb	2024356	42462	45.7	9.000	930		7.8	1.9				93
Wet Bulb	1650772	38088	41.2	9.446	925		16.9					93
Dew Point	1274978	32422	35.1	2.246	925		39.0					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | MAR MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73					.2													2	2		
72/ 71				.1														1	1		
70/ 69				.4														4	4		
68/ 67			.4	.2		.1												7	7		
66/ 65		.1	1.0	1.1	.2													22	22	4	
64/ 63		.3	.2	.6	.2													13	13	10	1
62/ 61		.3	.9	.3		.1												15	15	16	14
60/ 59			.6	1.0	.3	.1												19	19	11	8
58/ 57		.9	1.0	.5	.5													27	27	20	16
56/ 55	.5	.6	1.3	.8	.2		.2	.2										36	36	31	17
54/ 53	.3	1.3	.8	1.1	.4	.1	.1											38	38	24	25
52/ 51	.1	1.3	1.7	.8	.2													38	38	35	23
50/ 49	.8	1.3	3.0	1.6	.5													67	70	45	43
48/ 47	.6	2.4	1.3	2.2	.3	.2												65	65	50	25
46/ 45	.9	2.3	2.4	.9	1.2	.6												76	76	64	39
44/ 43		1.7	2.7	1.6	1.2	1.0												76	76	52	60
42/ 41		1.9	3.5	1.3	.5													67	67	64	43
40/ 39	.1	3.1	3.5	1.5	1.1	.4												90	90	76	40
38/ 37		1.6	1.4	2.4	.6													56	56	74	57
36/ 35	.3	2.2	1.7	2.0	.6													64	64	75	74
34/ 33		1.0	1.7	1.2	.1													37	37	61	45
32/ 31	.1	1.3	1.9	.9														39	39	60	65
30/ 29	.1	1.2	.8	.8	.1													27	27	56	46
28/ 27		.8	.5	.9														20	20	43	39
26/ 25		.5	.5	.8														17	17	16	27
24/ 23		.1	.1															2	2	21	44
22/ 21		.2																2	2	15	41
20/ 19																				4	41
18/ 17																					23
16/ 15																					20
14/ 13																					15
12/ 11																					14
10/ 9																					11
8/ 7																					5

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB,VA — STATION NAME
8-70,73-79 — YEARS
JAN — MONTH

PAGE 1
0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69						.2												2	2		
68/ 67									.1									1	1		
66/ 65			.3															3	3		
64/ 63		.5	.4															9	9	1	1
62/ 61	.1	.2	.5	.3														11	11	11	4
60/ 59	.2	.8	.2	1.1														21	21	11	10
58/ 57	.3	.2	.4	.1														10	10	13	12
56/ 55	.2	.2	.6	.2														12	12	9	8
54/ 53	.1	.8	.4	.5		.3												20	20	19	5
52/ 51	.1	.5	1.4	.1	.1													21	21	16	11
50/ 49	.1	.5	.6	.1														13	13	13	24
48/ 47	.2	1.8	.3	.6		.1												29	29	28	16
46/ 45	.4	2.6	1.1	.2	.6	.1												47	47	24	26
44/ 43	.5	2.0	1.9	.8	.3													52	52	48	36
42/ 41	.3	2.2	1.5	.6	.6	.1												50	50	35	25
40/ 39	.3	2.4	1.8	1.0	1.0	.1												61	61	48	33
38/ 37	.6	1.8	1.7	1.1	.3													52	52	49	33
36/ 35	.1	1.7	2.4	2.8	.2													67	67	42	39
34/ 33		2.2	3.6	.5	.5													63	63	62	29
32/ 31	.2	1.9	5.0	1.1	.6													82	82	62	39
30/ 29		1.9	4.1	1.8														73	73	71	40
28/ 27	.2	1.5	3.6	1.3														61	61	79	41
26/ 25		2.2	2.3	1.1	.1													52	52	74	33
24/ 23		1.0	2.0	.9														36	36	65	45
22/ 21		.9	2.3	.1														30	30	41	66
20/ 19		.6	1.9	.2														26	26	41	64
18/ 17		.2	.2															4	4	28	48
16/ 15	.1	.3	.3															7	7	20	36
14/ 13		.1	.2															3	3	5	44
12/ 11		.2	.2															4	4	2	22
10/ 9		.5	.1															6	6	4	33
8/ 7		.1																1	1	6	30
6/ 5																				2	27
4/ 3																					14

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	> 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 674-702/5870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 8-70,73-79 YEARS | JAN MONTH

0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
2/ 1																					8
0/ -1																					7
-2/ -3																					7
-4/ -5																					2
-6/ -7																					6
-8/ -9																					3
-10/-11																					1
-12/-13																					1
TOTAL	4.	32.	04	1.6	16.6	4.5	1.0		.1									929	929	929	929

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4635275	63721	68.6	16.885	929							
Dry Bulb	1338095	33715	36.3	11.109	929		38.5	.3				93
Wet Bulb	1136529	30681	33.0	11.241	929		50.1					93
Dew Point	849041	24493	26.4	14.801	929	2.7	61.8					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970-762-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | JAN MONTH

PAGE 1 | 0300-0900 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67			.1															1	1		
66/ 65		.1																1	1		
64/ 63		.9	.3															11	11	5	2
62/ 61		.5	.4					.1										10	10	7	5
60/ 59	.2	.2	.4	.5														13	13	11	9
58/ 57	.4	.3	.3	.2														12	12	9	11
56/ 55		.5	.6	.4	.1			.1										17	17	7	6
54/ 53		.0	.4	.2	.3	.1												16	16	16	5
52/ 51		1.2	1.3	.3	.1	.1												28	28	15	11
50/ 49	.1	.9	.2	.1	.1	.2												15	15	25	18
48/ 47	.4	.9	.2	.1	.1													16	16	21	25
46/ 45	.4	2.3	.6	.4	.1	.1												37	37	21	25
44/ 43	.8	3.4	1.0	.5														53	53	40	24
42/ 41	.5	1.6	1.9	.5	.3													46	46	45	22
40/ 39	.8	3.0	1.2	1.6	.1													62	62	44	51
38/ 37		1.3	1.9	.8	.4													41	41	42	24
36/ 35	.4	2.2	2.0	1.4	.2	.1												59	59	42	30
34/ 33	.0	2.0	4.0	1.5														76	76	57	37
32/ 31	.1	1.9	3.3	2.3	.3													74	74	54	40
30/ 29	.2	2.0	5.4	.9	.3													82	82	73	33
28/ 27		2.9	3.3	1.4														71	71	79	35
26/ 25	.2	1.3	2.4	.3														39	39	87	48
24/ 23		.8	3.0	.5														40	40	55	48
22/ 21	.2	1.2	2.8	.2														41	41	44	55
20/ 19		.9	1.7	.1														25	25	40	47
18/ 17		.6	.9	.1														15	15	31	54
16/ 15	.1	.9	.4															13	13	24	42
14/ 13		.2	.2															4	4	17	45
12/ 11			.1															1	1	5	35
10/ 9		.0																6	6	2	39
8/ 7		.5																5	5	9	22
6/ 5																				3	26
4/ 3																					17
2/ 1																					7

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | JAN MONTH

0300-0900 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
0/ -1																					4
-2/ -3																					10
-4/ -5																					4
-6/ -7																					11
-10/-11																					3
TOTAL	5.6	35.8	40.0	14.5	2.6	.6		.2											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	4769495	64773	69.6	10.670	930							
Dry Bulb	1277169	32821	35.3	11.312	930		41.6	.1				93
Wet Bulb	1090338	30008	32.3	11.463	930		52.3					93
Dew Point	829090	24030	25.8	14.934	930	3.2	62.5					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970-0-410

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

PAGE 1 | 0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
70/ 69			.1																1	1		
68/ 67			.1																1	1		
66/ 65		.2	.4																6	6	1	1
64/ 63		.4																	4	4	3	
62/ 61		.6	.3																9	9	8	6
60/ 59	.3	.3	.3																9	9	11	7
58/ 57	.4		.6																10	10	8	15
56/ 55	.1	.4	.4		.1														10	10	6	2
54/ 53	.3	1.2	.4	.2	.4														24	24	14	9
52/ 51	.4	.4	.2	.1	.1														12	12	20	17
50/ 49	.2	.9	.5	.4	.2	.1													22	22	8	14
48/ 47	.1	1.2	.5	.2	.3	.2													24	24	17	11
46/ 45	.4	2.6	1.6	.4	.2														49	49	26	16
44/ 43	.2	2.2	.9		.2														32	32	36	28
42/ 41	1.4	2.0	1.2	.9	.2														53	53	53	30
40/ 39	.3	1.8	1.6	.4	.3														42	42	37	33
38/ 37	.3	2.5	1.9	.6															50	50	32	30
36/ 35	.4	2.8	2.3	1.0	.3														63	63	53	38
34/ 33	.6	2.2	4.0	1.0	.3														75	76	61	24
32/ 31	.2	3.3	3.8	1.1															78	79	57	51
30/ 29		1.7	4.6	.8															66	66	79	47
28/ 27	.1	2.6	3.1	.9															62	62	57	35
26/ 25	.3	2.2	3.7																57	57	85	51
24/ 23	.2	.8	2.4																31	31	55	47
22/ 21		1.3	3.7	.3															49	49	47	54
20/ 19		1.5	1.8																31	31	40	49
18/ 17		1.0	1.1																19	19	43	43
16/ 15	.1	1.5	.2																17	17	27	52
14/ 13		.2	.2																4	4	18	32
12/ 11		.2	.4																6	6	6	42
10/ 9		.9																	8	8	5	45
8/ 7		.4																	4	4	9	21
6/ 5																					4	13
4/ 3																						20

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUL 64

GOVERNMENT PRINTING OFFICE: 1968-702-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 68-70,73-79 YEARS | JAN MONTH

0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					15
-2/ -3																					9
-4/ -5																					9
-6/ -7																					7
-8/ -9																					2
-10/-11																					3
TOTAL	6.	739.	342.	6	8.3	2.8	.3											928	930	928	928

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4915226	65888	71.0	15.995	928							
Dry Bulb	1224091	32035	34.4	11.394	930		43.3	.2				93
Wet Bulb	1054056	29388	31.7	11.537	928		53.3					93
Dew Point	808682	23730	25.6	14.757	928	3.0	64.8					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1972

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | B-70, 73-79 YEARS | JAN MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69				.2	.2													4	4		
68/ 67			.2	.1	.2													5	5		
66/ 65		.1	.1	.2	.2													6	6		
64/ 63		.5	.2	.2														9	9	7	
62/ 61		.3	.2	.2	.1													8	8	8	7
60/ 59	.1	.4	.5	.4			.1											15	15	11	8
58/ 57	.2	.6	.5	.2	.2	.1	.1											19	19	14	12
56/ 55	.4	.5	.2	.3	.2	.2	.1											19	19	19	10
54/ 53	.1	1.0	.8	.4	.3	.2	.1											27	27	15	16
52/ 51		.4	.2	.2	.5	.3												16	16	15	16
50/ 49	.2	1.1	.5	.3	.6	.4	.2											32	32	15	14
48/ 47	.2	1.3	.8	.5	.3	.6												35	35	24	20
46/ 45	.3	1.5	1.1	.9	.9	.4												51	51	32	23
44/ 43	.6	1.4	.8	1.0	1.4	.1	.2											51	51	42	26
42/ 41	.1	1.8	1.8	1.7	1.1	.1												62	62	41	24
40/ 39	.1	2.6	2.2	2.4	.6	.3												76	76	42	24
38/ 37		1.7	2.2	1.8	1.2	.1												65	65	68	26
36/ 35	.1	1.7	3.3	2.7	1.1													83	83	68	37
34/ 33	.1	.9	2.3	2.4	1.0													61	62	78	45
32/ 31	.2	1.5	2.9	1.8	.9													68	68	6	35
30/ 29	.3	1.0	3.1	2.3	.4													66	66	70	49
28/ 27	.1	.5	1.2	1.4														30	30	73	58
26/ 25		.9	2.5	1.2	.2													44	44	60	63
24/ 23		.4	1.7	1.2														31	31	45	42
22/ 21		.3	.9	.5														16	16	45	48
20/ 19			.3	.2														5	5	26	41
18/ 17		.3	.5															8	8	18	47
16/ 15		.3	.5															8	8	11	39
14/ 13		.1	.4															5	5	6	30
12/ 11		.1	.1															2	2	7	42
10/ 9		.1	.1															2	2	5	22
8/ 7																				2	32
6/ 5																					13
4/ 3																					16

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE: 1966 O-205-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 78-79 (YEARS) JAN (MONTH)

 0900-1100 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					13
0/ -1																					5
-2/ -3																					6
-4/ -5																					4
-6/ -7																					9
-8/ -9																					5
TOTAL	3.	324.	0	2.	2	4.	9	1.	7	3.0	.9							929	930	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4135533	59629	64.2	18.223	929							
Dry Bulb	1488648	35794	38.5	10.931	930		28.2	.9				93
Wet Bulb	1209993	31933	34.4	11.003	929		43.0					93
Dew Point	866447	24755	26.6	14.928	929	4.9	62.2					93

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

U.S. GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | JAN MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75								.1										1	1		
74/ 73						.4	.2	.1										7	7		
72/ 71			.1		.2	.2	.2	.1										8	8		
70/ 69			.3			.1	.1											5	5		
68/ 67			.2			.1												3	3	1	
66/ 65		.3	.5	.2			.1	.1	.1	.1								14	14	6	2
64/ 63		.5	.3	.3	.1	.4	.1	.1										18	18	11	3
62/ 61		.6	.3	.2	.2	.2	.1	.4										20	20	19	7
60/ 59	.1	.2	.3	.4	.1	.3	.4	.3										21	21	14	15
58/ 57	.2	.2	.4	.2	.6	.4	.3	.1										24	24	9	10
56/ 55	.2	.2	.8	.2	.5	.3	.2	.8	.2									33	33	14	12
54/ 53	.3	.2	.4	.2	.4	.3	.2	.3										23	23	18	17
52/ 51		.4	.6	.3	.2	.4	.3											27	22	17	9
50/ 49		.6	.4	.3	.6	1.2	.4											34	34	29	16
48/ 47	.4	1.1	.3	.9	1.1	1.3	.3	.3										53	53	35	21
46/ 45	.8	1.3	1.4	1.0	1.8	1.1	.3	.2										73	73	52	24
44/ 43		.9	1.0	1.3	1.6	1.0	.2											55	55	39	21
42/ 41		1.2	1.2	1.4	2.2	.4	.3											62	62	45	20
40/ 39		2.0	1.0	1.9	1.3	1.3												70	70	70	28
38/ 37	.1	1.0	1.6	2.2	1.5	1.2												70	70	56	32
36/ 35	.1	.9	.9	3.1	2.0	.5												70	70	67	43
34/ 33	.1	1.1	.9	1.8	1.8	.1												54	54	79	37
32/ 31		.8	1.5	2.0	1.2													51	51	52	34
30/ 29		1.1	1.0	1.9	1.2													48	48	80	37
28/ 27		.3	.5	2.5	.3													34	34	68	50
26/ 25		.8	.8	1.4	.1													28	28	48	48
24/ 23		.3	.1	.3														7	7	46	49
22/ 21			.2	.4														6	6	39	57
20/ 19			.3	.2														5	5	13	52
18/ 17			.4															4	4	4	33
16/ 15		.2	.2															4	4	7	44
14/ 13			.1															1	1	8	28
12/ 11																				2	33
10/ 9																					42

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	< 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1973 O-513-920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-71, 73-79 YEARS | JAN MONTH

PAGE 2 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
87																					25
65																					22
43																					18
21																					15
0/-1																					8
-2/-3																					10
-4/-5																					4
-8/-9																					2
TOTAL	2.4	16.3	18.2	24.9	19.4	11.4	4.0	3.0	.3	.1								928	928	928	928

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3367827	52823	56.9	19.736	928							
Dry Bulb	1779445	39209	42.3	11.511	928		18.8	2.4	.8			93
Wet Bulb	1351499	33893	36.5	11.072	928		36.8	.1				93
Dew Point	882202	24852	26.8	15.288	928	2.4	61.2					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
8-70, 73-79 — YEARS
JAN — MONTH
PAGE 1
1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77									.1									1	1		
76/ 75								.2	.1									3	3		
74/ 73					.1	.2	.3	.2										8	8		
72/ 71			.1	.1	.2		.2											6	6		
70/ 69			.2															2	2		
68/ 67				.1		.2	.1											4	4	1	
66/ 65			.1	.4	.1	.1	.2	.1	.1									11	11	5	1
64/ 63		.3	.6	.5	.1	.3	.2	.2	.1									23	23	6	2
62/ 61		.3	.9	.4		.1	.3	.3										22	22	14	5
60/ 59			.3	.3	.2	.5	.2	.1	.1									17	17	18	4
58/ 57	.1	.3	.1	.3	.5	.8	.2	.1	.1									24	24	12	15
56/ 55	.1	.3	.4	.5	.2	.1	.2	.1	.1									20	20	15	17
54/ 53			.5	.5	.1	.3	.3	.3										20	20	12	8
52/ 51		.3	.9	.2	.2	1.1	1.0											34	34	17	16
50/ 49	.1	.5	1.1	.5	1.0	1.1	.3											43	43	32	9
48/ 47	.2	.3	.9	.6	.6	.6	.5	.2										38	38	35	18
46/ 45	.3	1.9	1.3	.9	1.2	1.4	.6	.1										72	72	23	26
44/ 43	.2	1.7	1.8	1.2	1.0	.9	.3											66	66	44	24
42/ 41	.1	1.6	.9	1.0	2.2	.9	.5											66	66	63	37
40/ 39	.1	.8	1.2	2.2	1.4	.6												58	58	64	27
38/ 37	.1	1.2	1.5	2.0	1.8	.9												70	70	48	33
36/ 35	.1	.2	1.1	1.9	2.4	.2												55	55	64	31
34/ 33	.3	1.5	1.6	1.8	2.0	.5												73	73	75	40
32/ 31		1.5	1.0	2.4	1.5													59	59	75	34
30/ 29		.6	1.0	1.9	1.4													46	46	70	47
28/ 27		.5	1.2	2.2	.2													38	38	61	51
26/ 25		1.1	.8	.6														23	23	61	41
24/ 23		.3	.3	.3														9	9	59	46
22/ 21			.1	.8														8	8	27	51
20/ 19				.3														3	3	9	58
18/ 17			.1															1	1	5	53
16/ 15			.2															2	2	4	29
14/ 13		.3																3	3	6	34
12/ 11																				3	38

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
10/ 9																					28
8/ 7																					31
6/ 5																					20
4/ 3																					18
2/ 1																					16
0/ -1																					9
-2/ -3																					1
-4/ -5																					5
-6/ -7																					3
-8/ -9																					1
-10/-11																					1
TOTAL	1.0	15.8	20.2	24.2	18.5	10.9	5.7	2.0	.0										928		928
																		928		928	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3366346	52874	57.0	19.536	928							
Dry Bulb	1767876	39098	42.1	11.407	928		19.2	2.4	1.2			93
Wet Bulb	1335176	33766	36.4	10.722	928		38.1	.1				93
Dew Point	861961	24737	26.7	14.782	928	2.0	61.6					93

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
-70, 73-79 — YEARS
JAN — MONTH
PAGE 1
1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 -	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.1	.1		.4												6	6		
68/ 67			.2	.1	.1	.1												5	5		
66/ 65			.1	.1	.1	.1												4	4	1	
64/ 63		.1	.3	.2	.2	.1												9	9	3	1
62/ 61		.6	.5	.2	.2	.2												17	17	5	3
60/ 59		.3	.1	.2	.1		.2											9	9	17	4
58/ 57		.8	.2	.8	.3	.1	.1											21	21	11	9
56/ 55		.5	.1	.2	.4	.1												13	13	12	16
54/ 53	.3	.5	.5	.6	.4		.2											25	25	18	12
52/ 51	.2	.3	1.1	.2	.2	.1												20	20	15	13
50/ 49	.1	.6	1.0	.8	.4	.3	.1											31	31	18	13
48/ 47		1.2	1.1	.8	.2	.3												33	33	29	15
46/ 45	.1	1.5	1.4	.2	.8	.2												39	39	29	24
44/ 43	.5	3.4	1.7	1.1	.5	.8	.2											77	77	43	26
42/ 41	.2	1.9	1.3	1.8	1.0	.3												61	62	62	41
40/ 39		.8	1.9	2.5	1.6	.5												68	68	40	45
38/ 37		1.0	2.3	2.6	1.5	.1												69	69	44	25
36/ 35	.4	1.6	1.9	2.4	.5	.2												65	65	59	39
34/ 33		2.0	2.3	2.4	1.0	.2												75	75	77	27
32/ 31		1.9	2.5	2.9	1.3													80	80	78	41
30/ 29	.1	1.1	1.6	2.9	.6													59	59	80	49
28/ 27	.1	.8	3.3	2.0														58	58	60	48
26/ 25		1.4	1.6	1.3														40	40	64	44
24/ 23		.3	1.2	.2														16	16	80	35
22/ 21		.1	.3															6	6	39	52
20/ 19		.1	.6	.2														9	9	16	63
18/ 17		.1	.6															7	7	10	48
16/ 15			.3															3	3	7	35
14/ 13			.2															2	2	6	38
12/ 11		.2																2	2	3	33
10/ 9																				3	38
8/ 7																					19
6/ 5																					25
4/ 3																					16

Element (Y)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GOVERNMENT PRINTING OFFICE: 1967 O-782-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

PAGE 4 | 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					15
0/ -1																					3
-2/ -3																					9
-4/ -5																					1
-6/ -7																					1
-8/ -9																					2
-10/-11																					1
TOTAL	2.	223.	480.	926.	811.	6 4.3	.9												930		929
																		929		929	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4054411	59001	63.5	18.19	929							
Dry Bulb	1507766	36140	38.9	10.54	930		28.2	1.1				93
Wet Bulb	1217922	32120	34.6	10.503	929		44.6					93
Dew Point	859672	24772	26.7	14.388	923	1.7	61.7					93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972 O-476-670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | R-70, 73-79 YEARS | JAN MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69						.3												3	3		
68/ 67				.1														1	1		
66/ 65		.2	.8		.3													12	12		
64/ 63		.4	.5	.1	.1													11	11	5	
62/ 61		.3	.3	.4	.2	.2												14	14	15	5
60/ 59	.1	.6	.4	.3	.1	.1												16	16	11	18
58/ 57	.1	.5	.1	.1		.2												10	10	12	5
56/ 55	.4	.5	.6	.3	.2		.2											22	22	18	14
54/ 53		.9	1.0	.3		.3												23	23	10	8
52/ 51	.1	.3	.5	.8		.2												18	18	20	19
50/ 49		2.3	.4	.9		.1												34	34	17	13
48/ 47	.1	2.5	1.4	.9	.4	.3												52	52	35	23
46/ 45	.8	1.8	1.0	.8	.1	.1												48	48	47	33
44/ 43	.1	1.8	1.6	.8	.4													43	43	50	31
42/ 41	.5	1.7	2.3	1.8	1.1	.2												71	71	43	34
40/ 39	.2	1.7	1.9	2.6	.8	.2												69	69	49	37
38/ 37		1.7	3.7	2.6	.6													80	80	43	44
36/ 35	.1	1.8	3.0	1.8	.1													64	64	68	32
34/ 33	.1	1.8	3.0	2.9	.8													80	80	81	38
32/ 31		1.5	2.0	2.8	.6													65	65	78	35
30/ 29	.1	1.7	3.0	1.6														60	60	64	43
28/ 27	.1	1.5	2.5	1.8														55	55	64	48
26/ 25		.6	1.4	.2														21	21	78	54
24/ 23	.2	.9	1.7	.1														27	27	49	48
22/ 21			.9															8	8	33	66
20/ 19		.2	.4															6	6	12	36
18/ 17		.2	.4															6	6	8	46
16/ 15		.1	.5															6	6	6	42
14/ 13		.1	.1															2	2	7	34
12/ 11		.3																3	3	4	27
10/ 9																				3	14
8/ 7																					26
6/ 5																					28
4/ 3																					11
2/ 1																					

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GPO 774-762-3/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
0/ -1																					4
-2/ -3																					6
-4/ -5																					6
-6/ -7																					1
-8/ -9																					1
TOTAL	3.	128.	336.	223.	59.	2.	4.	.2											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4413604	61980	66.6	17.452	930							
Dry Bulb	1389634	34570	37.2	10.611	930		33.9	.4				93
Wet Bulb	1149462	31160	33.5	10.653	930		48.7					93
Dew Point	837364	24556	26.4	14.263	930	1.8	61.4					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1966-0-210-

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 68-70,73-79 YEARS | JAN MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
78/ 77									.0										1	1		
76/ 75								.0	.0										4	4		
74/ 73					.0	.1	.1	.0											15	15		
72/ 71			.0	.0	.1	.0	.1	.0											14	14		
70/ 69			.1	.0	.0	.1	.0												23	23		
68/ 67			.1	.1	.0	.1	.0		.0										21	21	2	
66/ 65		.1	.2	.1	.1	.0	.0	.0	.0	.0									45	45	13	4
64/ 63		.4	.4	.2	.1	.1	.0	.0	.0										95	95	36	9
62/ 61	.0	.5	.5	.2	.1	.1	.1	.1											108	108	77	37
60/ 59	.1	.3	.3	.4	.1	.1	.1	.1	.0										119	119	108	62
58/ 57	.2	.4	.4	.3	.2	.2	.1	.0	.0										136	136	87	102
56/ 55	.1	.4	.4	.3	.2	.1	.1	.1	.0										134	134	94	76
54/ 53	.2	.6	.5	.4	.3	.2	.1	.1											177	177	130	86
52/ 51	.1	.6	.8	.2	.2	.3	.2												176	176	125	101
50/ 49	.1	.7	.6	.4	.4	.4	.1												208	208	160	127
48/ 47	.2	1.3	.6	.6	.3	.4	.1	.1											262	262	206	139
46/ 45	.4	2.1	1.2	.6	.8	.5	.1	.0											420	420	222	187
44/ 43	.5	2.1	1.3	.8	.6	.3	.1												434	434	339	218
42/ 41	.3	1.8	1.4	1.1	1.0	.2	.1												443	444	396	230
40/ 39	.3	1.9	1.6	1.7	.9	.4													508	508	388	275
38/ 37	.2	1.5	1.9	1.7	.9	.3													486	486	388	240
36/ 35	.2	1.6	2.2	2.2	.9	.1													542	542	438	301
34/ 33	.2	1.7	2.7	1.7	.6	.1													541	543	557	271
32/ 31	.1	1.8	2.9	2.1	.8														572	573	521	312
30/ 29	.1	1.4	2.9	1.9	.6														505	505	601	337
28/ 27	.1	1.4	2.4	1.7	.1														414	414	541	361
26/ 25	.1	1.4	2.0	1.0	.1														338	338	543	376
24/ 23	.0	.6	1.5	.5															191	191	433	366
22/ 21	.1	.6	1.5	.3															183	183	331	431
20/ 19		.4	1.0	.2															112	112	218	440
18/ 17		.3	.5	.0															64	64	151	362
16/ 15	.0	.4	.3																60	60	108	323
14/ 13		.1	.2																28	28	72	293
12/ 11		.1	.1																17	17	35	279

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972 O-470-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | JAN MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
10/ 9		.3	.0															25	25	23	274
8/ 7		.1																10	10	29	194
6/ 5																				9	172
4/ 3																					149
2/ 1																					100
0/ -1																					40
-2/ -3																					58
-4/ -5																					35
-6/ -7																					38
-8/ -9																					16
-10/-11																					9
-12/-13																					1
TOTAL	3.7	2.0	9	2.8	2	0.5	9.6	4.2	1.2	.7	.1	.0						7431	7435	7431	7431

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	33657717	480689	64.7	18.574	7431							
Dry Bulb	11772724	283382	38.1	11.433	7435		252.2	7.8	2.0			744
Wet Bulb	9533975	252949	34.0	11.150	7431		366.9	.2				744
Dew Point	6786459	195925	26.4	14.769	7431	19.7	497.2					744

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13762 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69							.1											1	1		
68/ 67						.2												2	2		
66/ 65						.1												1	1		
64/ 63		.4	.2				.1											6	6	2	
62/ 61			.1	.2	.4	.4												9	9	1	2
60/ 59			.5	.5	.4	.1	.4											15	15	2	1
58/ 57		.8	.2	.2	.2	.4	.4	.1										20	20	9	2
56/ 55		.5		.4	.4	.4	.4											16	16	10	5
54/ 53		.8	.6	.2	.5		.2											20	20	18	11
52/ 51		.4	.2		.2	.1												8	8	12	10
50/ 49		.9	.5	.2	.5	.2												20	20	15	8
48/ 47		.5	.7	.2	.8	.5												23	23	25	18
46/ 45	.1	.9	.8	.2	.4	.1												22	22	15	14
44/ 43		2.0	1.3	1.8	.8	.2												52	52	30	15
42/ 41	.1	2.1	1.7	1.2	.8	.4												53	53	37	20
40/ 39		3.1	1.7	1.3	.2	.1												54	54	42	31
38/ 37	.1	1.3	2.0	3.5	.6													64	64	59	26
36/ 35		1.2	2.7	1.5	1.1													55	55	35	38
34/ 33	.1	3.2	3.4	2.4	.5													81	81	69	28
32/ 31	.1	3.7	2.7	2.8														79	79	81	33
30/ 29	.4	1.8	3.4	3.4	.4													79	79	76	73
28/ 27		1.8	2.7	1.3	.1													50	50	66	53
26/ 25		1.4	2.1	.9														38	38	73	55
24/ 23	.1	.5	1.9	.5														25	25	64	45
22/ 21	.1	.8	2.0	.4														28	28	32	43
20/ 19		1.4	.5															16	16	[illegible]	51
18/ 17		.1	.6															6	6	25	34
16/ 15		.4																3	3	7	39
14/ 13																				5	29
12/ 11																					44
10/ 9																					38
8/ 7																					22
6/ 5																					11
4/ 3																					8

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974 762-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					12
-2/ -3																					4
-4/ -5																					3
TOTAL	1.2	29.9	32.0	23.3	8.2	3.2	1.5	.1											846		846
																		846		846	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3826642	55142	65.2	16.588	846							
Dry Bulb	1238324	31168	36.8	10.323	846		32.2	.3				84
Wet Bulb	994926	27818	32.9	9.743	846		46.2					84
Dew Point	684568	21592	25.5	12.569	846	.7	61.3					84

FORM 0-26-5 (OL A) JUL 64 USAFETAC REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GPO GOVERNMENT PRINTING OFFICE 1974-702-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | FEB MONTH

0300-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
68/ 67						.1												1	1		
66/ 65		.4		.1		.2												6	6		
64/ 63				.2	.1													3	3	3	1
62/ 61			.1	.2														3	3		2
60/ 59		.4	.2	.1	.1	.2												9	9	3	
58/ 57		.2	.2	.6	.4	.4		.4										18	18	8	3
56/ 55		.5	.1	.6	.1	.1												12	12	7	5
54/ 53		.4	.6	.5	.1	.1												14	14	8	5
52/ 51		.1	.2	.5	.2	.1												10	10	10	7
50/ 49	.4	.6	.5	.7	.4	.1	.1											23	23	19	12
48/ 47	.2	1.1	.1	.4	.5	.4												27	22	19	11
46/ 45		1.4	.8	.5	.6	.1												29	29	21	15
44/ 43		2.2	1.1	1.1	.7													43	43	27	15
42/ 41		1.5	.6	1.8	.6	.1												39	39	34	27
40/ 39	.4	3.0	2.1	1.4	.2	.2												62	62	40	31
38/ 37		1.9	1.7	1.8	1.1													54	54	44	29
36/ 35	.4	1.9	2.8	2.1	.4													64	64	57	27
34/ 33		2.2	4.4	1.3	.4													70	70	51	28
32/ 31		4.3	2.2	2.0	.2													74	74	89	36
30/ 29	.7	1.4	4.1	1.9														69	69	73	64
28/ 27		2.8	2.2	2.0	.2													62	62	54	47
26/ 25	.1	2.8	2.1	.5														47	47	87	59
24/ 23		.7	1.7	.8														27	27	51	52
22/ 21		1.8	2.1	.4														36	36	43	47
20/ 19		.8	2.7	.1														31	31	40	47
18/ 17		.9	.7															14	14	29	53
16/ 15		.1	.4															4	4	22	37
14/ 13																				6	35
12/ 11																				1	35
10/ 9																					32
8/ 7																					32
6/ 5																					11
4/ 3																					18
2/ 1																					9

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 73-79 (YEARS) FEB (MONTH)

PAGE 2 0300-0500 (HOURS (L. S. T.))

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
0/ -1																						5
-2/ -3																						7
-4/ -5																						1
-6/ -7																						1
TOTAL	2.1	33.5	33.9	21.5	6.3	2.2	.1	.4											846	846	846	846

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3974265	56353	66.6	16.155	846							
Dry Bulb	1154473	30019	35.5	10.280	846		36.1	.1				84
Wet Bulb	943353	26993	31.9	9.857	846		49.1					84
Dew Point	658155	21015	24.8	12.693	846	1.4	62.4					84

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

GOVERNMENT PRINTING OFFICE: 1974 752-830/NU

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65		.1	.1	.4	.2	.1												8	8		
64/ 63		.1		.1														2	2	3	
62/ 61		.1	.4	.1														5	5	1	3
60/ 59		.4	.4															6	6	4	
58/ 57		.2	.1	.4	.2	.1	.1	.2										12	12	9	7
56/ 55		.1		.2	.5													7	7	6	5
54/ 53		.5	.6	.6	.2													16	16	3	4
52/ 51		.1	.1	.4	.1													6	6	9	4
50/ 49	.4	.9		.8	.2	.1												21	21	14	11
48/ 47	.2	.6	.2	.8	.2		.1											19	19	22	15
46/ 45	.1	1.2	.6	.7	1.1	.6												36	36	19	4
44/ 43		3.4	.7	.5	.9													47	47	21	20
42/ 41	.1	1.9	1.1	.6	.5													35	35	45	24
40/ 39	.2	2.8	2.0	1.9	.1													60	60	32	36
38/ 37	.2	2.7	2.0	2.5	.6													73	73	47	24
36/ 35		.8	2.7	1.9	.1													47	47	55	35
34/ 33		1.9	5.2	1.4	.7													78	78	62	22
32/ 31	.1	3.9	2.7	.7	.4													66	66	73	35
30/ 29	.2	1.9	5.1	1.1	.4													73	73	78	55
28/ 27		2.1	3.0	1.1	.1													53	53	59	57
26/ 25	.4	2.5	4.7	.5														68	68	82	50
24/ 23		.9	1.1	.1														18	18	61	48
22/ 21		1.2	1.8															25	25	46	61
20/ 19		1.3	1.5	.4														27	27	27	55
18/ 17		.8	1.4															19	19	17	39
16/ 15		.6	.9															13	13	27	49
14/ 13		.4	.4															6	6	11	37
12/ 11																				11	35
10/ 9																				2	30
8/ 7																					26
6/ 5																					13
4/ 3																					15
2/ 1																					9
0/ -1																					4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (YEARS) FEB (MONTH)

PAGE 2 0600-0600 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPPESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
-2/ -3																						11
-4/ -5																						2
-6/ -7																						1
TOTAL	2.0	33.6	39.4	17.0	6.6	.9	.2	.2												846		846
																			846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4057032	57044	67.4	15.790	846							
Dry Bulb	1122609	29565	34.9	10.286	846		30.5					84
Wet Bulb	924894	26678	31.5	9.948	846		49.0					84
Dew Point	652278	20872	24.7	12.749	846	1.8	62.8					84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
74/ 73								.1											1	1		
72/ 71			.1				.1												2	2		
70/ 69			.1			.2	.1												4	4		
68/ 67		.1		.2		.2				.1									6	6	2	
66/ 65			.2	.5	.1	.1		.2											10	10	1	2
64/ 63		.1	.1	.1	.1	.2	.1	.1											9	8	1	1
62/ 61		.1	.4		.1	.1	.1	.1	.1										9	9	5	
60/ 59		.4	.2	.1		.2	.2	.5	.1										15	15	12	5
58/ 57		.2		.4	.4	.1	.2												11	11	8	7
56/ 55		.1	.2	.1	.4	.4	.8	.1											18	18	7	6
54/ 53		.2		.2	.4		.5		.1										12	12	8	5
52/ 51		.8	.4	.4	.2	.8	.5	.1											27	27	9	8
50/ 49	.1	.9		.6	.2	1.1	.9	.1											34	34	19	11
48/ 47		1.1	.4	.9	.8	1.7	.4												44	44	21	15
46/ 45		1.5	.9	.9	1.7	1.1	.2												54	54	27	16
44/ 43	.1	1.5	.9	1.1	2.0	.9	.1												57	57	35	12
42/ 41	.1	2.2	1.2	1.3	1.7	.5	.1												60	60	44	19
40/ 39		2.4	1.8	3.2	2.1	.1	.1												82	82	50	28
38/ 37		1.4	1.4	2.4	1.5	.5	.1												62	62	79	28
36/ 35	.4	1.4	1.3	2.4	1.4	.4													61	61	75	34
34/ 33		2.4	1.1	1.4	1.7	.2													57	57	71	34
32/ 31	.1	2.0	1.7	3.3	.8	.1													68	68	73	51
30/ 29	.1	.4	2.5	2.1	.7														49	49	55	52
28/ 27	.1	1.1	1.4	1.8	.1														38	38	55	51
26/ 25		.1	1.2	.8															18	18	72	57
24/ 23			.4	.5															7	7	39	39
22/ 21			1.1	.4															12	12	23	63
20/ 19		.7	.5	.1															11	11	18	46
18/ 17		.2	.6																7	7	12	34
16/ 15			.2																2	2	10	37
14/ 13																					4	38
12/ 11																					1	40
10/ 9																						33
8/ 7																						25

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE: 1967 O-722-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 73-79 YEARS | FEB MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 5																					3
4/ 3																					14
2/ 1																					11
0/ -1																					7
-2/ -3																					12
-4/ -5																					2
TOTAL	1.	12	1.5	70.	2	95.	21	6.4	9.0	4.7	1.4	.4	.1					846		846	846

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3226661	49031	58.7	19.309	846							
Dry Bulb	1448607	33869	40.0	10.473	846		21.9	1.3	.1			84
Wet Bulb	1099127	29377	34.7	9.670	846		35.9	.2				84
Dew Point	697328	21562	25.5	13.224	846	2.1	61.1					84

USAFETAC FORM 0 26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79						.1												1	1		
78/ 77						.1		.1		.1								3	3		
76/ 75				.1	.1	.1		.1	.1	.1								6	6		
74/ 73						.1	.1	.1	.1	.1		.1	.1					7	7		
72/ 71					.1			.2			.1							4	4		
70/ 69							.1	.1	.4									5	5	2	
68/ 67			.1				.4	.1	.4	.2	.2							12	12	2	
66/ 65	.1					.1	.2	.1	.2	.1	.2							10	10	2	2
64/ 63		.5	.1	.6			.1	.1	.4	.2								17	17	5	4
62/ 61		.1	.4	.4		.1	.4		.5	.2								17	17	5	3
60/ 59			.1		.1	.8	.4	.6	.8		.1							25	25	12	2
58/ 57		.4	.1	.1	.1	.5	.2	.7	.4	.1								22	22	7	3
56/ 55		.7	.1	.4	.2	.2	.2	1.1	.2	.1								29	28	15	13
54/ 53		.1	.7	.1	.7	.5	.7	1.1										33	33	11	8
52/ 51	.1	.2	.6	.2	.7	.4	1.9	.4										38	38	16	6
50/ 49		1.2		.5	.4	1.5	1.1	.1										40	40	30	7
48/ 47		1.1	.6	.1	1.4	1.5	.9	.1										49	49	35	13
46/ 45		.8	1.1	.5	1.4	.5	.8	.5										47	47	31	25
44/ 43		.5	1.2	.8	.7	1.5	.7											46	46	42	10
42/ 41		1.8	1.8	3.0	1.7	1.4	.4	.2										86	86	53	21
40/ 39		2.2	.5	2.1	1.1	1.8	.4											68	68	78	34
38/ 37		1.2	1.7	.8	2.0	1.3												59	59	79	23
36/ 35	.1	1.3	1.5	1.2	2.2	.7												60	60	61	36
34/ 33		1.4	1.3	1.1	1.4	.6												49	49	73	37
32/ 31		.6	1.3	2.0	1.2	.2												45	45	58	44
30/ 29		.1	.6	1.2	1.1													25	25	67	43
28/ 27	.1	.2	.1	.6	.5													13	13	51	63
26/ 25		.4	.8	.5														14	14	44	55
24/ 23			.2	.1														3	3	26	46
22/ 21			.9															8	8	20	49
20/ 19		.4	.2	.1														6	6	13	45
18/ 17																				5	37
16/ 15																				3	31
14/ 13																					33

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-79, 73-79 YEARS | FEB MONTH

PAGE 2 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11																					42
10/ 9																					32
8/ 7																					18
6/ 5																					11
4/ 3																					13
2/ 1																					13
0/ -1																					14
-2/ -3																					8
-4/ -5																					2
TOTAL	.5	15.1	16.1	16.4	17.1	14.2	9.0	5.8	3.4	1.4	.7	.1	.1					846	846	846	846
																		846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2671451	44051	52.1	21.143	846							
Dry Bulb	1763464	37406	44.2	21.386	846		11.3	3.8	1.7			84
Wet Bulb	1244582	31380	37.1	9.768	846		28.5	.4				84
Dew Point	720733	21807	25.8	13.701	846	2.4	59.5					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1970-760-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79										.1	.2							3	3		
78/ 77					.2					.2								4	4		
76/ 75					.1		.2			.1			.1					5	5		
74/ 73					.1			.2		.4			.1					7	7		
72/ 71								.1	.1	.1	.2	.1						6	6		
70/ 69								.1	.2		.1							4	4	2	
68/ 67		.1	.2		.1		.2	.1	.1	.4	.5							15	15	1	
66/ 65						.2				.4	.1							6	6	3	2
64/ 63		.1		.1		.1	.8	.4	.6	.2								20	20	3	3
62/ 61		.2	.2			.1	.1	.1	.8	.4								17	17	4	3
60/ 59		.5	.5		.2	.1	.2	.4	.2	.4	.2							23	23	9	2
58/ 57		.4	.2	.2	.5	.4	.1	1.5	.4									31	31	11	3
56/ 55			.2		.2	.2	.1	.9	.6									20	20	14	9
54/ 53		.4	.6	.1	.4	.2	.4	.7										23	23	10	3
52/ 51		.4	.4	.5	.7	.5	.9	.5										32	32	20	7
50/ 49		1.4	1.1	.7	.4	1.7	.9											52	52	27	8
48/ 47		.6	.6	1.5	.5	1.3	1.1	.6										52	52	39	16
46/ 45	.1	.8	.8	.5	1.4	1.2	1.1	.2										52	52	37	22
44/ 43		.9	.6	1.1	1.4	1.4	1.4	.4										61	61	48	9
42/ 41		.8	1.8	1.9	1.8	1.2	.1	.1										65	65	60	37
40/ 39		1.1	1.1	3.6	1.7	1.8	.2											79	79	55	21
38/ 37		1.2	.8	1.4	1.1	.8												45	45	61	23
36/ 35		1.5	1.2	1.8	1.5	1.7												65	65	70	38
34/ 33	.4	1.2	1.4	1.4	.7	.8												50	50	99	30
32/ 31	.1	1.1	1.8	2.8	.6	.5												58	59	64	36
30/ 29			.5	.5	1.1													17	17	63	48
28/ 27			.1	.7	.4													10	10	38	70
26/ 25		.2	1.4															14	14	56	67
24/ 23																				18	47
22/ 21		.1		.4														4	4	25	52
20/ 19		.2	.4															5	5	2	42
18/ 17																				3	38
16/ 15																				3	37
14/ 13																					38

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-757-050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 8-70,73-79 YEARS | FEB MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
12/ 11																					37
10/ 9																					23
8/ 7																					11
6/ 5																					13
4/ 3																					12
2/ 1																					16
0/ -1																					10
-2/ -3																					9
-4/ -5																					3
TOTAL	.6	13.3	15.9	19.2	15.0	14.2	8.0	6.4	3.1	1.6	1.4	.1	.2					845	846	845	845

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2622279	43525	51.5	21.279	845							
Dry Bulb	1792110	37728	44.6	11.389	846		10.8	4.4	1.9			84
Wet Bulb	1248415	31479	37.3	9.472	845		27.0	.3				84
Dew Point	709351	21759	25.8	13.289	845	2.2	60.5					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 68-70, 73-79 (YEARS) FEB (MONTH)

 1800-2000 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
80/ 79											.2							2	2		
74/ 73									.2									2	2		
72/ 71								.1	.1									2	2		
70/ 69							.1											1	1		
68/ 67			.2	.1							.1							4	4		
66/ 65		.2	.2			.1		.1										6	6	1	
64/ 63			.2	.1	.1	.6	.2		.6	.1								17	17	3	2
62/ 61		.5	.1		.4	.7	.2		.4									19	19	4	3
60/ 59		.6	.5		.5	.1		.1	.2									17	17	7	4
58/ 57		.1		.1	.4		.5	.7	.1	.1								17	17	12	4
56/ 55		.1		.2	.1	.2	.8	.5	.1									18	18	10	9
54/ 53		.5	.1	.4	.4	.1	.8	.4										22	22	10	1
52/ 51		.6	.7	.2	.4	.6	.4	.2										26	26	18	7
50/ 49		.9	.5	.1	.4	.4		.1										20	20	18	8
48/ 47	.1	.6	.5	.7	1.2	.6	.1	.1										33	33	25	18
46/ 45	.2	1.1	.7	.2	1.8	.9												42	42	28	21
44/ 43		1.3	.8	1.9	2.0	.7	.1	.1										59	59	34	17
42/ 41		2.1	1.9	1.3	1.2	.5	.1											60	60	49	28
40/ 39		1.3	2.3	2.7	.9	1.2	.2											73	73	44	20
38/ 37		.7	2.4	2.7	1.9	.8												72	72	70	10
36/ 35		1.5	3.3	2.8	1.5													78	78	62	34
34/ 33		2.6	2.1	1.8	.7													61	61	86	31
32/ 31	.2	2.0	3.0	2.4	1.1	.1												74	74	81	44
30/ 29		.5	2.1	1.5	.9													43	43	75	75
28/ 27		.2	1.9	1.2	.7													34	34	63	69
26/ 25		.4	.9	1.1	.4													23	23	50	70
24/ 23		.1	.7	.1														8	8	44	37
22/ 21			.6	.1														6	6	21	57
20/ 19			.4															3	3	19	46
18/ 17			.1															1	1	6	36
16/ 15																				3	35
14/ 13																					36
12/ 11																					30
10/ 9																					30

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-760-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | NGLEY AFB,VA STATION NAME | ?-70,73-79 YEARS | FEB MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7																					10
6/ 5																					5
4/ 3																					11
2/ 1																					17
0/ -1																					9
-2/ -3																					3
-4/ -5																					2
-6/ -7																					2
-8/ -9																					1
-10/-11																					1
TOTAL	.6	18.0	6.3	1.9	16.8	7.7	3.7	2.5	1.8	.2	.4							843	843	843	843

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3191511	49233	58.4	19.379	843							
Dry Bulb	1491806	34344	40.7	10.488	843		19.1	1.1	.4			84
Wet Bulb	1120550	29702	35.2	9.377	843		36.1					84
Dew Point	705879	21857	25.9	12.857	843	1.8	62.4					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-702-670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 8-70, 73-79 YEARS | FEB MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71								.1										1	1		
68/ 67						.1												1	1		
66/ 65		.1	.2		.1	.2												6	6		
64/ 63		.2			.2	.2												6	6	2	
62/ 61			.1	.5	.5	.1		.1										11	11	3	3
60/ 59		.1	.4	.5	.4	.4		.5										18	18		2
58/ 57		.4	.1	.2	.1	.2	.7	.1										16	16	10	
56/ 55		.1	.1	.6	.2	.2	.5	.1										16	16	16	4
54/ 53		.5	.7		.4	.5	.4											20	20	7	7
52/ 51	.2	1.2	.7	.1	.4	.8	.2	.1										32	32	20	11
50/ 49		.8	.4	.5	.6	.5	.2											25	25	22	19
48/ 47		.9	.1	.4	.8													19	19	17	17
46/ 45		1.3	.9	.0	1.3	.2												37	37	31	22
44/ 43	.1	1.3	.9	1.4	1.3	.1												44	44	31	15
42/ 41	.2	2.3	1.7	1.1	1.5	.2												59	59	41	18
40/ 39	.1	1.3	1.7	2.3	1.5	.2												60	60	42	29
38/ 37		1.4	3.6	2.1	.9	.1												69	69	53	14
36/ 35		1.3	2.4	1.8	1.5	.1												60	60	53	30
34/ 33		4.3	2.6	2.7	.6	.1												87	87	80	30
32/ 31	.1	3.0	3.8	3.2	.2													87	87	88	50
30/ 29	.1	1.2	3.1	1.3	.2													50	50	70	73
28/ 27	.1	.7	2.5	1.7														42	42	77	64
26/ 25	.1	.4	2.6	.7														32	32	64	61
24/ 23		.1	1.1	1.4														22	22	38	41
22/ 21		.8	1.1															16	16	35	48
20/ 19		.2	.4															5	5	23	57
18/ 17			.2															2	2	16	31
16/ 15																				4	51
14/ 13																					44
12/ 11																					23
10/ 9																					26
8/ 7																					13
6/ 5																					9
4/ 3																					6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970-O-420-767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13739 (STATION) LANGLEY AFB, VA (STATION NAME) 8-70, 73-79 (YEARS) FEB (MONTH)

 2100-2300 (HOURS (L. S. T.))

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					12
0/ -1																					4
-2/ -3																					4
-4/ -5																					4
-6/ -7																					1
TOTAL	1.2	24.0	21.3	23.0	12.9	4.5	2.0	1.1											843		843
																		843		843	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3607973	53111	63.0	17.635	843							
Dry Bulb	1347784	32548	38.6	10.113	843		25.5	.2				84
Wet Bulb	1057356	28776	34.1	9.443	843		41.4					84
Dew Point	709746	22082	26.2	12.488	843	1.3	62.0					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1970-420-070/6070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 68-70, 73-79 YEARS | FEB MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
80/ 79						.0				.0	.1							6	6		
78/ 77					.0	.0		.0		.0								7	7		
76/ 75				.0	.0	.0	.0	.0	.0	.0			.0					11	11		
74/ 73					.0	.0	.0	.1	.0	.1		.0	.0					17	17		
72/ 71			.0		.0		.0	.1	.0	.0	.0	.0						15	15		
70/ 69			.0			.0	.1	.0	.1		.0							15	15	4	
68/ 67		.0	.1	.0	.0	.1	.1	.0	.1	.1	.1							41	41	5	
66/ 65	.0	.1	.1	.1	.1	.2	.0	.1	.0	.1	.0							53	53	7	6
64/ 63		.2	.1	.2	.1	.1	.2	.1	.2	.1								79	79	22	11
62/ 61		.1	.2	.2	.2	.2	.1	.0	.2	.1								90	90	23	19
60/ 59		.3	.3	.1	.2	.3	.1	.3	.2	.0	.0							128	128	49	16
58/ 57		.3	.1	.3	.3	.3	.3	.5	.1	.0								147	147	74	29
56/ 55		.3	.1	.3	.3	.2	.4	.3	.1	.0								135	135	65	56
54/ 53		.4	.5	.3	.4	.2	.4	.3	.0									160	160	75	44
52/ 51	.0	.5	.4	.3	.4	.4	.5	.2										179	179	114	60
50/ 49	.1	1.0	.4	.5	.4	.7	.4	.0										235	235	164	84
48/ 47	.1	.8	.4	.6	.8	.7	.3	.1										261	261	203	123
46/ 45	.1	1.1	.8	.5	1.2	.6	.3	.1										319	319	209	139
44/ 43	.0	1.7	.9	1.2	1.2	.6	.3	.1										409	409	268	113
42/ 41	.1	1.8	1.4	1.5	1.2	.5	.1	.0										457	457	363	194
40/ 39	.1	2.1	1.6	2.3	1.0	.7	.1											538	538	393	230
38/ 37	.0	1.5	2.0	2.2	1.2	.4	.0											498	498	492	177
36/ 35	.1	1.4	2.2	1.9	1.2	.4												490	490	468	272
34/ 33	.1	2.4	2.7	1.7	.8	.2												533	533	591	240
32/ 31	.1	2.6	2.4	2.4	.6	.1												551	552	607	329
30/ 29	.2	.9	2.7	1.6	.6													405	405	557	483
28/ 27	.0	1.1	1.7	1.3	.3													302	302	463	474
26/ 25	.1	1.0	2.0	.6	.0													254	254	528	474
24/ 23	.0	.3	.9	.4														110	110	341	355
22/ 21	.0	.6	1.2	.2														135	135	245	420
20/ 19		.6	.8	.1														104	104	178	389
18/ 17		.3	.5															49	49	113	322
16/ 15		.1	.2															22	22	79	316
14/ 13		.0	.0															6	6	26	290

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 58-70, 73-79 YEARS | FEB MONTH

ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
12/ 11																					13	286
10/ 9																					2	244
8/ 7																						157
6/ 5																						76
4/ 3																						97
2/ 1																						99
0/ -1																						53
-2/ -3																						58
-4/ -5																						19
-6/ -7																						5
-8/ -9																						1
-10/-11																						1
TOTAL	1.2	23.6	27.0	20.9	12.4	7.0	3.7	2.2	1.1	.5	.3	.0	.0						6761	6762	6761	6761

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	27177814	408090	60.4	19.406	6761							
Dry Bulb	11354177	266647	39.4	11.143	6762		192.7	11.1	4.1			672
Wet Bulb	8633203	232203	34.3	9.868	6761		313.3	.9				672
Dew Point	5538038	172546	25.5	12.955	6761	13.6	491.8					672

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-78 (YEARS) MAR (MONTH)

PAGE 1 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71				.1	.1													2	2		
70/ 69				.1	.2	.2												5	5		
68/ 67			.8	.3	.1	.1												12	12		
66/ 65		.1	.3	.8	.6													17	17	2	
64/ 63		.2	1.2	1.1	.4													27	29	11	1
62/ 61			.8	.2	.1	.2	.2											14	14	11	10
60/ 59	.1	.3	.5	1.1	.1	.3	.1											24	24	25	7
58/ 57		.4	.3	1.2	1.0	.1	.1											29	29	23	21
56/ 55	.2	.5	1.1	1.6	.1	.1												34	34	19	15
54/ 53	.5	.6	1.6	1.3	.5	.2	.3											48	48	23	23
52/ 51	.3	.8	1.3	.5	.6	.2	.1											37	37	45	22
50/ 49	.8	1.8	2.3	2.2	1.1	.5	.1											81	81	54	44
48/ 47	.5	1.0	1.2	1.9	2.1	.4												66	67	52	32
46/ 45	.6	2.5	1.8	1.4	1.0	.6												76	78	50	47
44/ 43		1.7	3.5	1.5	1.5	1.0												85	85	63	52
42/ 41		1.5	2.9	2.4	.9	.6	.1											79	79	73	36
40/ 39		2.5	3.7	2.1	.9	.2												86	86	87	38
38/ 37		1.8	1.2	1.6	1.2													54	54	73	64
36/ 35	.1	1.1	1.7	.5	.4													36	36	94	70
34/ 33		.8	1.2	1.6	.2													35	35	52	55
32/ 31		1.1	1.4	.3	.6													32	32	52	67
30/ 29		.4	.5	.8	.1													17	17	35	46
28/ 27		.8	.6	1.0	.1													23	23	34	45
26/ 25		.3	.1	.1														5	5	18	46
24/ 23																				21	30
22/ 21		.1																1	1	6	33
20/ 19																				2	36
18/ 17																					29
16/ 15																					16
14/ 13																					5
12/ 11																					10
10/ 9																					12
8/ 7																					5
6/ 5																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1977-782-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 YEARS | MAR MONTH

0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
4/ 3																					1
2/ 1																					4
TOTAL	3.4	20.4	30.1	25.7	14.2	5.2	1.1											925	930	925	925

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4538740	63032	68.1	16.236	925							
Dry Bulb	2024356	42462	45.7	9.000	930		7.8	1.9				93
Wet Bulb	1650772	38088	41.2	9.446	925		16.9					93
Dew Point	1274978	32422	35.1	12.246	925		39.0					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | MAR MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73					.2													2	2		
72/ 71				.1														1	1		
70/ 69				.4														4	4		
68/ 67			.4	.2		.1												7	7		
66/ 65		.1	1.0	1.1	.2													22	22	4	
64/ 63		.3	.2	.0	.2													13	13	10	1
62/ 61		.3	.9	.3		.1												15	15	16	14
60/ 59			.6	1.0	.3	.1												19	19	11	8
58/ 57		.9	1.0	.5	.5													27	27	20	16
56/ 55	.5	.6	1.3	.8	.2		.2	.2										36	36	31	17
54/ 53	.3	1.3	.8	1.1	.4	.1	.1											38	38	24	25
52/ 51	.1	1.3	1.7	.8	.2													38	38	35	23
50/ 49	.8	1.3	3.0	1.5	.5													67	70	45	43
48/ 47	.6	2.4	1.3	2.2	.3	.2												65	65	50	25
46/ 45	.9	2.3	2.4	.9	1.2	.6												76	76	64	39
44/ 43		1.7	2.7	1.6	1.2	1.0												76	76	52	60
42/ 41		1.9	3.5	1.3	.5													67	67	64	43
40/ 39	.1	3.1	3.5	1.5	1.1	.4												90	90	76	40
38/ 37		1.6	1.4	2.4	.0													56	56	74	57
36/ 35	.3	2.2	1.7	2.0	.6													64	64	75	74
34/ 33		1.0	1.7	1.2	.1													37	37	61	45
32/ 31	.1	1.3	1.9	.9														39	39	60	65
30/ 29	.1	1.2	.8	.8	.1													27	27	56	46
28/ 27		.8	.5	.9														20	20	43	39
26/ 25		.5	.5	.8														17	17	16	27
24/ 23		.1	.1															2	2	21	44
22/ 21		.2																2	2	15	41
20/ 19																				4	41
18/ 17																					23
16/ 15																					20
14/ 13																					15
12/ 11																					14
10/ 9																					11
8/ 7																					5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	> 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE: 1972 O - 760-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 73-78 YEARS | MAR MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
4/ 3																					2
2/ 1																					3
0/ -1																					1
TOTAL	3.9	20.4	32.9	24.8	8.7	2.7	.3	.2											930		927
																		927		927	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4846775	65425	70.6	9.735	927							
Dry Bulb	1914265	41195	44.3	9.816	930		10.7	1.4	.2			93
Wet Bulb	1601984	37446	40.4	9.823	927		21.6					93
Dew Point	1267450	32232	34.8	12.588	927	.1	39.8					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-76, 73-78 YEARS | MAR MONTH

PAGE 1 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71				.1														1	1		
70/ 69			.3	.2	.1													6	6		
68/ 67			.4	.2														6	6		
66/ 65		.2	1.9	.2	.4													26	26	6	
64/ 63		.3	.1	.5	.1													10	10	14	3
62/ 61		.1	1.0	.2	.3													15	15	17	14
60/ 59		.3	.6	.6	.4		.1											20	20	9	15
58/ 57	.1	.8	1.4	1.1	.1													32	32	17	12
56/ 55	.3	.9	.8	.9	.5	.1	.1											33	34	23	14
54/ 53	.1	1.7	1.1	.8	.3		.2											39	39	39	28
52/ 51	.5	1.0	2.0	1.0	.2	.3	.1											48	50	33	29
50/ 49	.6	1.9	2.3	1.5	.6	.1												66	66	45	31
48/ 47	1.1	2.5	2.3	1.3	.9	.3												77	77	55	39
46/ 45	.8	2.0	2.4	1.0	1.1	.2												69	69	71	49
44/ 43		2.0	3.1	1.3	.9	.8												80	80	57	42
42/ 41		1.9	2.2	1.3	1.0	.2												61	61	70	53
40/ 39		2.0	2.7	1.6	.3	.3												69	69	64	43
38/ 37	.2	2.5	1.3	2.0	.4	.1												61	61	60	63
36/ 35		1.4	2.2	2.7	.4													62	62	75	58
34/ 33		1.1	1.5	1.2	.2													37	37	56	47
32/ 31	.1	2.4	1.1	1.1	.1													44	44	63	49
30/ 29		1.0	.8	1.0														25	25	60	56
28/ 27		.2	.6	1.3														20	20	29	34
26/ 25	.1	.3	.4	.6														14	14	24	40
24/ 23		.2	.1															3	3	19	44
22/ 21		.1	.2															3	3	16	34
20/ 19																				5	33
18/ 17																					19
16/ 15																					23
14/ 13																					14
12/ 11																					17
10/ 9																					9
8/ 7																					8
6/ 5																					5

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	67 F	< 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1976 757-028/5210

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13701 LANGLEY AFB, VA 73-78 MAR

STATION STATION NAME YEARS MONTH

PAGE 2 0600-0900

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
4/ 3																						2
TOTAL	4.0	27.5	32.8	23.7	9.0	2.5	.5												927	930	927	927

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	4893102	65738	70.9	5.805	927							
Dry Bulb	1936261	41427	44.5	9.851	930		10.9	1.3				93
Wet Bulb	1624641	37689	40.7	9.983	927		21.7					93
Dew Point	1294782	32560	35.1	12.776	927		38.8					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

E.R. GOVERNMENT PRINTING OFFICE: 1974-570-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | MAR MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79							.1	.1										2	2		
76/ 75						.2	.1	.2										5	5		
74/ 73				.1	.3	.2	.1	.2	.2	.1								12	12		
72/ 71				.4		.2	.2	.1										9	9		
70/ 69			.3	.1	.6	.5	.4	.1	.1									21	21		
68/ 67		.1	.1	.6	.8	.3	.2	.1	.2	.1								24	24	4	
66/ 65		.5	.8	.6	.6	.2	.4	.5										35	35	16	3
64/ 63		.4	.4	1.0	.6	.8	.2	.3										35	35	8	7
62/ 61		.4	.4	.5	.8	.4	.1	.1	.1									27	27	32	14
60/ 59		.1	1.3	.6	.4	1.1	.4	.1										38	40	34	11
58/ 57		.6	.3	.8	.8	.4	.4	.1	.3									36	37	29	21
56/ 55	.2	.4	.8	.5	1.2	1.4	.1	.3										46	46	41	29
54/ 53	.6	.4	1.1	1.1	1.0	1.3	.6	.4	.1									62	62	35	43
52/ 51	.5	.2	1.3	.6	1.1	1.1	.1											46	46	39	26
50/ 49	1.1	1.0	2.7	1.8	1.6	1.4	.8	.2										98	98	57	32
48/ 47	.9	.6	1.2	1.5	1.4	1.0	.6	.1										68	68	62	37
46/ 45	.2	1.9	1.1	1.5	1.7	1.3	.2											74	74	68	46
44/ 43		1.8	1.4	1.3	1.5	1.2	.3											70	70	68	41
42/ 41		1.5	.6	1.1	1.6	.8												52	52	79	63
40/ 39	.2	1.3	.4	1.3	1.9	.4	.1											53	53	70	51
38/ 37		.3	.5	1.0	.8	.2												26	26	60	44
36/ 35		.6	.5	1.0	.6	.1												27	27	50	49
34/ 33		.4	.3	.3	1.2													21	21	56	40
32/ 31	.2	1.3	.5	.3	.4													26	26	44	60
30/ 29			.4	.1	.4													9	9	31	50
28/ 27			.2	.1														3	3	13	27
26/ 25			.1															1	1	20	37
24/ 23			.1															1	1	8	27
22/ 21																				3	32
20/ 19																					41
18/ 17																					28
16/ 15																					15
14/ 13																					11
12/ 11																					17

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 7/81 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1982-702-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 73-76,73-78 YEARS | MAR MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
10/ 9																					5
8/ 7																					8
6/ 5																					10
4/ 3																					1
2/ 1																					1
TOTAL	4.0	14.3	17.0	18.4	21.2	14.6	5.7	3.1	1.1	.2								927	930		927
																		927		927	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	383897	56093	61.4	9.349	927							
Dry Bulb	2444733	46669	50.2	10.519	930		4.0	7.3	1.9	.1		93
Wet Bulb	1890028	40824	44.0	9.978	927		11.9	.4				93
Dew Point	1381568	33552	36.2	13.437	927		37.1					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1974-720-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | MAR MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83								.1										1	1		
82/ 81							.1	.2	.3	.4	.2							12	12		
80/ 79								.3	.5	.1	.1	.1						11	11		
78/ 77						.1	.2	.2	.5		.3							13	13		
76/ 75				.1	.3		.2	.3	.4	.8			.1					21	21		
74/ 73					.1	.4	.5	.3	.5	.6	.2	.1						27	27		
72/ 71			.3		.2	.2	.3	.2	.6	.2								20	20		
70/ 69		.2	.1	.2	.6	.3	.5	.3	.3	.3								28	28	3	
68/ 67		.1	.2	.5	.2	.4	.1	.8	.2	.1	.3							28	28	13	
66/ 65			.3	.2	.8	.3	.6	.2	.0									29	29	17	6
64/ 63			.6	.8	.2	.5	.4	.3	.2	.2								33	33	24	6
62/ 61			.3	.3	.5	.3	.2	.3	.3	.2	.1							25	26	30	7
60/ 59		.4	.3	.4	.4	.3	1.4	.5	.3	.2								41	41	32	13
58/ 57	.2	.6	1.1	.8	1.0	1.3	.8	.2	.1	.1								57	57	41	25
56/ 55	.3	.6	.8	1.2	.5	.6	.2	1.6	.3									58	58	40	28
54/ 53	.2		.8	1.3	1.1	1.1	.9	1.5	.2									67	67	52	36
52/ 51	.1	.8	1.2	1.3	1.2	2.0	1.0	.4										73	73	38	38
50/ 49	.8	.6	1.0	1.4	1.3	1.7	.9	.2	.2									75	75	67	31
48/ 47	.4	.3	.5	.3	1.3	1.6	1.3	.1										57	57	60	40
46/ 45		1.9	1.6	.5	1.5	1.2	.6											69	69	62	49
44/ 43		1.1	1.1	.2	.9	1.2	.2											43	43	78	53
42/ 41		.6	.4	.5	.6	.8	.2											31	31	66	35
40/ 39	.2	.4	.8	.6	.9	1.4												40	40	72	60
38/ 37		.3	.2	.1	.1	.4	.2											15	15	46	46
36/ 35		.3	.2	.5	.4	.6												20	20	44	52
34/ 33		.5	.1	.9	.3													17	17	42	35
32/ 31	.2	.9	.2	.3														15	15	26	47
30/ 29		.2	.1															3	3	30	49
28/ 27																				21	35
26/ 25																				5	41
24/ 23																					34
22/ 21																					39
20/ 19																					28
18/ 17																					23

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1964 O-731-510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB,VA — STATION NAME
7-7 ,73-78 — YEARS
MAR — MONTH
PAGE 2
1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
16/ 15																					21
14/ 13																					14
12/ 11																					16
10/ 9																					3
8/ 7																					10
6/ 5																					6
4/ 3																					1
2/ 1																					2
TOTAL	2.8	10.4	12.2	12.6	14.0	17.0	11.0	8.5	5.9	3.3	1.3	.2	.1					929	930	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3179587	50721	54.6	21.028	929							
Dry Bulb	2855911	50379	54.2	21.694	930		1.8	16.1	8.5	2.0		93
Wet Bulb	2052521	42689	46.0	9.897	929		8.2	1.6				93
Dew Point	1393967	33751	36.3	13.446	929		36.9					93

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | MAR MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83											.1							1	1		
82/ 81								.3	.4	.8								14	14		
80/ 79								.3	.9	.2	.3	.1						17	17		
78/ 77							.1		.4	.1	.3							9	9		
76/ 75					.6		.1	.2	.2	.4	.3							18	18		
74/ 73				.4		.1	.3	.5	.5	.8	.4	.4						33	33		
72/ 71			.1	.1		.2	.5	.1	.1	.2		.2						15	15		
70/ 69				.2	.4	.2		.1	.2	.4	.1	.3						19	19		
68/ 67			.2	.4	.5	.5	.4	.1	.3									24	24	16	
66/ 65		.1		.3	.1	.2	.3	.2	.1	.1		.1						15	15	11	1
64/ 63			.2	.1	.2	.8	.3	.2	.2	.5								24	24	24	9
62/ 61	.2		.4	.5	.6	.5	.8	.2	.4	.1	.1							37	37	24	5
60/ 59		.3	.5	.9	.4	.9	1.0	.3	.4	.4								48	48	28	9
58/ 57	.1	.3	1.0	.5	1.0	.9	.8	.6	1.0									57	57	32	11
56/ 55	.3	.9	.4	.8	.5	1.4	1.6	1.1	.4									73	73	42	43
54/ 53	.4	.5	1.4	1.1	1.1	1.5	1.2	.9	.6									82	82	48	24
52/ 51	.5	.5	1.2	1.0	.9	2.4	.6	.6	.2									74	74	54	46
50/ 49	.6	1.1	.5	1.7	1.8	1.8	.4	.1	.1									77	77	57	31
48/ 47	.4	1.5	1.1	1.5	1.4	.9	.8	.2										72	72	60	36
46/ 45	.1	1.0	.8	1.3	.4	.9	.2											43	43	77	57
44/ 43		.6	.3	.3	1.6	1.0	.4											40	40	96	38
42/ 41		1.0	.6	.4	.3	.3	.2											27	27	98	43
40/ 39		1.6	.6	.5	.3	1.2	.5											45	45	68	52
38/ 37		.3		.5	.8	.8												22	22	46	56
36/ 35		.8	.2	.2	.6	.1												18	18	41	51
34/ 33		.3	.1	.6	.1													11	11	32	49
32/ 31	.1	.5	.4	.1														11	11	24	53
30/ 29	.2	.2																4	4	32	59
28/ 27																				20	39
26/ 25																					35
24/ 23																					37
22/ 21																					24
20/ 19																					24
18/ 17																					25

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≤ 93 F	Total
Rel Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE: 1970 O-402-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 73-78 (YEARS) MAR (MONTH)

 1500-1700 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
16/ 15																					32
14/ 13																					10
12/ 11																					4
10/ 9																					9
8/ 7																					10
6/ 5																					4
4/ 3																					4
TOTAL	3.	11.0	10.2	13.7	13.9	16.5	10.6	6.2	6.8	.1	1.7	1.2							930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	3192089	50655	54.5	21.590	93							
Dry Bulb	2847386	50358	54.1	21.393	93		1.5	15.0	9.2	2.3		93
Wet Bulb	2033837	42609	45.8	9.375	93		7.0	1.6				93
Dew Point	1364660	33538	36.1	12.925	93		36.9					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
7-70, 73-78 — YEARS
MAR — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
80/ 79									.1									1	1		
78/ 77								.3										3	3		
76/ 75							.1	.1	.1	.1								4	4		
74/ 73						.1	.4		.2									7	7		
72/ 71				.5	.2	.3	.0	.2		.1								19	19		
70/ 69			.1	.4		.4	.5	.2	.2									18	18		
68/ 67				.4	.4	.3	.1	.1	.2			.1						16	16		
66/ 65		.2	.2	.8	.3	.4	.3	.2	.2		.1							26	26	7	
64/ 63		.1	.1	.6	.2	.3	.2	.5	.3	.3								26	26	16	2
62/ 61		.2	.6	.3	.3	.5	.4	.3		.2								28	28	13	12
60/ 59		.5	.6	.4	.6	1.0	.4	.1	.2									37	37	33	3
58/ 57	.3	.2	1.0	.8	.7	.6	.3	.1										39	39	31	16
56/ 55		.6	.9	.3	1.0	1.1	.5	.4	.2									51	51	24	27
54/ 53	.2	.2	1.3	.9	.6	.8	1.2	.9	.3									59	59	34	28
52/ 51	.4	1.1	1.9	.9	1.2	.5	1.0	.1										66	66	51	24
50/ 49	.6	2.3	1.2	1.0	2.7	1.4	.5	.2										92	92	57	36
48/ 47	.6	1.2	1.6	2.6	2.6	.9	.4	.1										93	93	77	42
46/ 45	.3	1.8	2.8	1.5	1.1	.5	.5											80	80	56	48
44/ 43		.9	2.2	1.5	1.1	.8												59	59	73	47
42/ 41		1.2	1.1	1.4	.8	.6	.1											48	48	119	44
40/ 39		2.0	1.2	1.1	.1	.4	.1											46	46	98	59
38/ 37		.4	.9	.5	.6	.6												29	29	54	55
36/ 35		.4	.5	.8	1.0	.2												27	27	47	74
34/ 33		.9	.4	.9	.6	.1												27	27	42	54
32/ 31		.5	.8	1.1	.4													26	26	19	60
30/ 29	.1	.1																2	2	29	54
28/ 27																				33	37
26/ 25																				13	47
24/ 23																				3	32
22/ 21																					16
20/ 19																					25
18/ 17																					17
16/ 15																					23
14/ 13																					17

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 72-76,73-78 YEARS | MAR MONTH

1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11																					7
10/ 9																					8
8/ 7																					7
6/ 5																					2
4/ 3																					
TOTAL	2.	15.0	19.4	19.1	16.8	12.1	8.0	4.0	2.2	.8	.1	.1							929		929	
																		929		929		

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3805377	56631	61.0	19.509	929							
Dry Bulb	2425284	46548	50.1	10.009	929		2.6	0.8	1.5			93
Wet Bulb	1855168	40662	43.8	9.014	929		9.7					93
Dew Point	1331694	33292	35.8	12.222	929		35.8					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1974-700-000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
7-7., 73-7o — YEARS
MAR — MONTH
PAGE 1
2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73							.1											1	1		
72/ 71					.3	.3												6	6		
70/ 69				.4	.1	.2	.2											9	9		
68/ 67			.2	.2	.1	.6	.1											12	12		
66/ 65		.2	.2	.5	.6	.2	.1											19	19		
64/ 63		.4	.5	1.3	.6	.2	.3	.1										36	36	11	
62/ 61		.6	.6	.2	.1	.5	.2			.1								23	23	18	8
60/ 59	.1	.1	.9	.2	.6	.4			.2									24	24	28	11
58/ 57	.2	.5	.8	1.2	1.2	.2	.2											40	40	35	17
56/ 55		.5	.8	1.3	1.2	.6	.1	.3										45	45	20	26
54/ 53	.6	1.3	1.1	.9	.5	.2	.4	.1										48	48	28	32
52/ 51		.8	1.8	.3	1.5	.6	.4	.1										53	53	45	21
50/ 49	.4	1.7	1.3	1.7	1.8	.6	.4											75	75	51	34
48/ 47	.6	1.4	1.2	1.7	1.7	.6	.1											73	73	66	40
46/ 45	.4	2.5	3.5	2.2	1.6	1.1	.2											106	109	47	37
44/ 43		1.3	2.7	2.0	1.6	.6												77	77	76	46
42/ 41		1.4	2.4	1.9	1.3	.3	.1											69	69	91	52
40/ 39		2.0	2.3	1.5	.4	.3												61	61	86	50
38/ 37	.1	1.2	1.0	1.5	.4	.1												40	40	95	74
36/ 35		.8	.0	.5	.4													22	22	02	63
34/ 33		.9	1.0	1.0	.8													33	33	46	57
32/ 31		1.2	.9	1.2	.3													33	33	37	63
30/ 29		.4	.5	.6	.3													18	18	24	45
28/ 27			.2	.2														4	4	27	47
26/ 25																				19	49
24/ 23																				14	27
22/ 21																				1	24
20/ 19																					29
18/ 17																					22
16/ 15																					14
14/ 13																					5
12/ 11																					15
10/ 9																					5
8/ 7																					4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 73-78 YEARS | MAR MONTH

 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
6/ 5																					5
4/ 3																					5
TOTAL	2.	719.	324.	722.	818.	1	8.3	3.1	.0	.2	.1							927	930	927	927

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4292568	60992	65.8	17.376	927							
Dry Bulb	2188173	44243	47.6	9.475	930		5.5	2.8	.1			93
Wet Bulb	1755387	39435	42.5	9.166	927		12.2					93
Dew Point	1326870	33236	35.9	12.083	927		36.0					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1978 O-702-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13706 STATION | LANGLEY AFB,VA STATION NAME | 7-76,73-76 YEARS | MAR MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
84/ 83								.0			.0								2	2		
82/ 81							.0	.1	.1	.1	.0								26	26		
80/ 79							.0	.1	.2	.0	.1	.0							31	31		
78/ 77						.0	.0	.1	.1	.0	.1								25	25		
76/ 75				.0	.1	.0	.1	.1	.1	.2	.0		.0						48	48		
74/ 73				.1	.1	.1	.2	.1	.2	.2	.1	.1							82	82		
72/ 71			.1	.2	.1	.2	.2	.1	.1	.1		.0							73	73		
70/ 69		.0	.1	.3	.3	.2	.2	.1	.1	.1	.0	.0							110	110	3	
68/ 67		.0	.3	.4	.3	.3	.1	.1	.1	.0	.0	.0							129	129	33	
66/ 65		.2	.0	.6	.5	.2	.2	.1	.1	.0	.0	.0							189	189	63	10
64/ 63		.2	.5	.8	.3	.3	.2	.2	.1	.1									204	206	118	29
62/ 61	.0	.2	.6	.3	.4	.3	.2	.1	.1	.1	.0								184	185	161	64
60/ 59	.0	.3	.7	.7	.4	.5	.4	.1	.1	.1									251	253	200	77
58/ 57	.1	.6	.8	.8	.8	.4	.3	.1	.2	.0									317	318	228	139
56/ 55	.3	.6	.8	1.0	.7	.7	.4	.5	.1										376	377	240	199
54/ 53	.4	.8	1.1	1.0	.7	.6	.6	.5	.2										443	443	283	239
52/ 51	.3	.8	1.6	.9	.9	.9	.4	.2	.0										435	437	340	229
50/ 49	.7	1.5	1.8	1.6	1.4	1.0	.4	.1	.0										631	634	433	282
48/ 47	.7	1.4	1.3	1.6	1.5	.8	.4	.1											571	572	482	291
46/ 45	.4	2.0	2.0	1.3	1.2	.8	.2												593	598	495	372
44/ 43		1.5	2.1	1.2	1.3	.9	.1												530	530	563	379
42/ 41		1.4	1.7	1.3	.9	.5	.1												434	434	680	369
40/ 39	.1	1.9	1.9	1.3	.8	.6	.1												490	490	621	393
38/ 37	.0	1.1	.8	1.2	.6	.3	.0												303	303	508	459
36/ 35	.1	.9	1.0	1.0	.6	.1													276	276	488	491
34/ 33		.7	.8	1.0	.4	.0													218	218	387	382
32/ 31	.1	1.1	.9	.7	.2														226	226	325	464
30/ 29	.1	.4	.4	.4	.1														105	105	297	405
28/ 27		.2	.3	.4	.0														70	70	220	303
26/ 25	.0	.1	.1	.2															37	37	115	322
24/ 23		.0	.0																6	6	86	275
22/ 21		.1	.0																6	6	41	243
20/ 19																					11	257
18/ 17																						186

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 701 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB,VA — STATION NAME
7-7.;73-78 — YEARS
MAR — MONTH
PAGE 2
ALL — HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
16/ 15																					104
14/ 13																					91
12/ 11																					100
10/ 9																					60
8/ 7																					58
6/ 5																					40
4/ 3																					18
2/ 1																					10
0/ -1																					1
TOTAL	3.	18.	122.	420.	114.	6	9	9	5	1	2.		2	0	1	1	0		7439		7421
																		7421		7421	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	32586635	470087	63.3	17.456	7421							
Dry Bulb	18636369	363281	48.8	10.973	7437		45.0	52.6	71.4	4.4		
Wet Bulb	14404338	319442	43.0	9.808	7421		109.8	3.6				744
Dew Point	10635931	264583	35.7	12.731	7421	.1	300.5					744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-640-000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13707 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | APR MONTH

 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73					.2		.2		.1	.2								7	7		
72/ 71			.3	.4	.3	.1	.3	.1	.2									17	17		
70/ 69		.2	.1	.4	.7	.1	.2		.1									17	17		
68/ 67		.4	.3	2.0	.7	1.2	.2	.1										45	45	5	
66/ 65		.6	.6	1.9	.7	.6	.1	.1										40	40	12	6
64/ 63		.6	.9	1.2	1.0	.1		.1										35	35	24	8
62/ 61		.9	2.1	1.6	.7													47	47	37	14
60/ 59		1.0	1.3	2.2	.6	.7	.1											53	53	47	17
58/ 57	.1	.9	2.1	1.3	.8	.1	.2											50	50	69	41
56/ 55		1.2	1.9	1.7	1.1	1.4	.2											68	68	42	53
54/ 53		1.6	3.2	2.4	2.0	.2	.6											90	90	64	45
52/ 51	.2	1.6	2.4	2.6	.9	.2	.1											67	67	60	46
50/ 49	.1	2.0	3.2	2.9	1.6	.3												93	93	62	69
48/ 47		1.0	3.0	2.9	1.0													71	71	60	59
46/ 45		1.7	3.0	2.1	.8	.3												71	71	85	52
44/ 43		1.0	1.7	1.2	1.2	.1												47	47	95	55
42/ 41		.7	1.1	.8	.4	.6												32	32	71	57
40/ 39		.8	1.1	1.1	.3	.3												33	33	45	74
38/ 37		.2	.4	.2	.2													10	10	33	78
36/ 35	.1	.2		.4														7	7	36	56
34/ 33																				14	41
32/ 31																				11	31
30/ 29																				8	23
28/ 27																					19
26/ 25																					23
24/ 23																					7
22/ 21																					4
20/ 19																					6
18/ 17																					5
16/ 15																					4
14/ 13																					1
12/ 11																					4
10/ 9																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974/762-670

4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 72-76, 73-76 YEARS | APR MONTH

PAGE 2 | 0000-0700 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	.0	15.7	28.7	29.4	15.3	6.4	2.3	.4	.4	.2								900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 75 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4451994	61974	68.9	14.324	900							
Dry Bulb	2651568	48242	53.6	8.548	900			8.6	.7			90
Wet Bulb	2180335	43671	48.5	8.256	900		1.9	.5				90
Dew Point	1768699	38791	43.1	10.375	900		12.9					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972 759-670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB,VA — STATION NAME
7-70,73-78 — YEARS
APR — MONTH

PAGE 1

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
72/ 71			.2	.1						.1								4	4		
70/ 69			.3	.3	.2	.2	.1	.2										18	18		
68/ 67			1.0	.9	.3	.1	.2											23	23	6	
66/ 65		.6	1.0	1.1	.8	.8												43	43	11	11
64/ 63		1.2	1.1	1.7	.9	.6		.1										50	50	18	10
62/ 61		1.2	1.6	1.1	.4													39	39	34	10
60/ 59		1.7	2.0	1.3	.1	.7	.1											53	53	43	28
58/ 57		1.4	2.3	.7	.3	.2	.2											47	47	53	33
56/ 55		2.2	2.0	2.0	.7	1.1												72	72	63	44
54/ 53	.3	1.9	2.3	2.3	.8	.2	.1											72	72	59	53
52/ 51		1.7	2.0	1.9	.4	.2												56	56	47	49
50/ 49	.3	1.2	2.0	2.6	1.1	.2												67	67	74	69
48/ 47	.1	3.0	2.6	2.7	1.1													80	80	60	43
46/ 45		2.8	4.4	2.2	.9													93	93	81	55
44/ 43		2.0	1.8	.8	1.0													48	48	72	50
42/ 41		1.4	1.3	1.8	1.1													51	51	96	56
40/ 39		.9	.7	1.9	.3	.2												36	36	47	78
38/ 37		.7	.4	.6	.4	.1												20	20	32	64
36/ 35	.1	.7	.4	.3	.4													18	18	43	74
34/ 33	.1	.3	.2		.1													7	7	35	26
32/ 31		.3																3	3	9	29
30/ 29																				13	21
28/ 27																				4	30
26/ 25																					27
24/ 23																					15
22/ 21																					7
20/ 19																					5
18/ 17																					4
16/ 15																					2
14/ 13																					2
12/ 11																					4
10/ 9																					1
TOTAL	1.0	25.2	30.3	26.0	11.6	4.7	.8	.3		.1								900	900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 57 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4881103	65049	72.3	14.133	900							
Dry Bulb	2490844	46774	52.0	8.757	900		.3	4.5				90
Wet Bulb	2110166	42874	47.6	8.081	900		2.6	.6				90
Dew Point	1759047	38603	42.9	10.718	900		14.7					90

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64
USAFETAC

GOVERNMENT PRINTING OFFICE: 1964 O-728-802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | APR MONTH

PAGE 1 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73							.1											1	1		
72/ 71			.2	.2	.6	.2	.1	.1										13	13		
70/ 69		.1	.8	.6	.9		.1	.1										23	23		
68/ 67		.3	.7	1.2	.4	.4	.1											29	29	6	
66/ 65		.8	1.7	.8	1.6	.2	.3											48	48	15	9
64/ 63		.7	1.4	1.7	1.1	.2	.1											47	47	24	12
62/ 61		1.2	1.6	1.8	.8	.3	.2	.1										54	54	45	11
60/ 59	.2	.9	2.1	1.8	.4	1.2	.1											61	61	46	38
58/ 57	.1	1.8	2.2	1.6	1.2	.6	.1											68	68	55	45
56/ 55	.2	1.3	2.1	3.0	.9	1.2	.2											81	81	69	49
54/ 53	.1	.9	2.2	2.2	1.2	.7	.1											67	67	54	45
52/ 51	.1	1.9	2.7	1.3	1.0	.7												69	69	56	50
50/ 49		1.4	2.4	2.2	1.9	.2												74	74	86	61
48/ 47		1.6	2.4	2.7	1.2	.2												73	73	77	44
46/ 45		1.3	1.7	1.8	1.4	.1												57	57	69	71
44/ 43	.1	1.1	1.3	.8	1.3	.3												45	45	77	57
42/ 41		.7	.8	1.0	1.0													31	31	63	57
40/ 39		1.0	.3	1.3	.2	.2												28	28	45	55
38/ 37		.2	.7	.4	.3													15	15	36	53
36/ 35		.4	.2	.1	.2													9	9	28	60
34/ 33		.1		.2	.1													4	4	28	40
32/ 31		.1																1	1	7	32
30/ 29																				8	27
28/ 27																				4	15
26/ 25																					27
24/ 23																					14
22/ 21																					7
20/ 19																					8
18/ 17																					2
16/ 15																					2
14/ 13																					2
12/ 11																					5
TOTAL	.9	17.9	27.6	26.7	17.9	6.9	1.7	.3										898	898	898	898

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4528642	62404	69.5	14.632	898							
Dry Bulb	2660639	48273	53.8	8.556	898		.1	6.6	.1			90
Wet Bulb	2205365	43833	48.8	8.565	898		1.9	.6				90
Dew Point	1806877	39081	43.5	10.874	898		14.1					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-76 YEARS | APR MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85												.1						1	1		
84/ 83										.3	.1							4	4		
82/ 81									.1	.2	.1	.1						5	5		
80/ 79						.1		.3	.3	.2	.2							11	11		
78/ 77					.2	.2	.3	.1	.2	.2	.1							13	13		
76/ 75				.3	.4	1.3	.4	1.0		.1								33	33		
74/ 73			.1	.3	.7	1.4	.4	.9	.2	.1								38	38		
72/ 71		.1		.6	1.4	.6	.9	.3	.1	.1	.1							38	38	2	
70/ 69		.2	.8	.7	1.1	1.8	.6	.8	.8	.3								63	63	7	2
68/ 67		.3	.7	1.3	.6	1.0	.4	.7	.1	.1								47	47	14	4
66/ 65		.4	.4	.9	.7	.4	1.2	.4	.4									45	45	50	9
64/ 63		.3	1.0	.8	.7	.9	1.4	.9	.2									56	56	57	16
62/ 61		.8	.8	1.1	.6	2.1	1.2	.3	.1									63	63	54	26
60/ 59		.7	1.4	.4	1.3	1.7	1.3	.4										66	66	65	48
58/ 57		.2	.7	1.2	1.9	2.7	.4	.4										68	58	44	46
56/ 55	.1	1.1	.4	.9	1.6	2.2	1.2	.3										71	71	48	41
54/ 53	.1	.2	1.8	1.7	1.7	1.4	1.1	.3										75	75	64	50
52/ 51		.3	1.1	1.1	1.8	1.4	.7											58	58	65	56
50/ 49	.1	.3	.8	1.3	1.0	1.6	.9											54	54	97	34
48/ 47		.3	.1	.9	1.2	.9	.6											36	36	74	34
46/ 45	.1	.4	.8	.4	.6	1.2	.1											33	33	67	57
44/ 43		.1	.4	.1		.3												12	12	57	53
42/ 41					.2	.1												3	3	46	66
40/ 39				.1		.4												5	5	41	56
38/ 37					.1													1	1	22	68
36/ 35																				13	43
34/ 33																				6	40
32/ 31																				2	30
30/ 29																				4	38
28/ 27																					11
26/ 25																					18
24/ 23																					20
22/ 21																					11
20/ 19																					10

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1972 O-729-772

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 72-76, 73-76 YEARS | APR MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
18/ 17																						3
16/ 15																						4
14/ 13																						4
12/ 11																						1
TOTAL	.4	6.0	11.3	14.2	18.0	23.9	13.3	7.3	2.7	1.8	.7	.2							899	899	899	899

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	> 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	312[illegible]465	51025	56.8	6.464	899							
Dry Bulb	333[illegible]966	54146	60.2	9.308	899			25.3	10.5	1.5		90
Wet Bulb	2490055	46675	51.9	8.621	899		.6	2.3				90
Dew Point	1848401	39415	43.8	11.575	899		15.0	.6				90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1970 O-376-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
7-70, 73-78 — YEARS
APR — MONTH
PAGE 1
1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
90/ 89													.2	.1	.1			4	4		
88/ 87											.1	.1	.1					3	3		
86/ 85										.1	.3	.3						7	7		
84/ 83									.1	.3	.6	.1						10	10		
82/ 81						.2	.1	.6	.6	.3	.4	.6						34	34		
80/ 79				.2		.1	.8	.9	.8	.3	.1							29	29		
78/ 77					.1	.4	1.6	.7	.9	.4	.4	.1						42	42		
76/ 75				.1	.3	.3	1.4	1.1	.6	.1	.1		.2					44	44		
74/ 73			.1	.2	.7	.8	.7	1.1	.7	.6	.3							46	46	2	
72/ 71		.2	.2	.2	.8	.3	1.0	.7	1.1	.7	.1							48	48	3	2
70/ 69		.1	.7	.7	.4	.3	.1	1.2	.4	.1	.2							39	39	8	1
68/ 67			1.0	.4	.3	.4	.2	.7	.9	.6								41	41	43	8
66/ 65		.7	.8	.7	.2	.3	.4	.9	.9	.9								52	52	53	4
64/ 63		.2	.9	.7	.2	1.2	1.3	.6	1.2	.2								59	59	78	17
62/ 61		.1	.8	.3	1.0	1.0	1.7	1.2	.3									58	58	57	34
60/ 59		.2	.8	.6	1.2	2.1	1.0	1.2	.1									65	65	49	52
58/ 57		.2	.3	.3	1.4	1.6	2.2	1.4	.2									70	70	46	33
56/ 55	.2	.2	1.3	1.0	1.1	1.6	.6	.6	.2									61	61	47	48
54/ 53		.4	.7	.8	1.6	1.2	1.3	.3	.1									58	58	60	48
52/ 51			.6	.8	.9	.6	.9	.7	.1									40	40	73	46
50/ 49	.2	.2	.9	.3	1.0	.8	.7	.1										38	38	82	33
48/ 47	.1		.6	1.1	.4	.4	.1	.1										26	26	83	45
46/ 45	.3	.3	.8	.3	.2	.2	.2											22	22	68	49
44/ 43				.1		.1												2	2	51	48
42/ 41						.1												1	1	52	50
40/ 39																				22	69
38/ 37																				14	55
36/ 35																				5	56
34/ 33																				2	48
32/ 31																				1	41
30/ 29																					20
28/ 27																					24
26/ 25																					23
24/ 23																					10

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1974 703-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-76,73-78 YEARS | APR MONTH

PAGE 2 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
22/ 21																						13
20/ 19																						5
18/ 17																						3
16/ 15																						4
14/ 13																						6
TOTAL	.0	3.0	10.3	8.9	12.0	14.2	10.4	14.0	9.2	.7	3.3	1.2	.6	.1	.1				899		899	899
																			899		899	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2613828	45778	50.9	17.745	899							
Dry Bulb	3765716	57430	63.9	10.391	899			34.7	21.9	7.8		90
Wet Bulb	2633377	48039	53.4	8.557	899		.1	5.6	.2			90
Dew Point	1857609	39459	43.9	11.640	899		14.9	1.1				90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1976-607-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 74-78, 73-78 YEARS | APR MONTH

 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
90/ 89													.1		.2			3	3		
88/ 87											.2	.2		.1				5	5		
86/ 85											.4	.2	.1	.1				8	8		
84/ 83									.1	.4	.9	.2	.2					17	17		
82/ 81				.1		.1	.1	.8	.9	.2	.8	.4						31	31		
80/ 79						.2	.2	1.0	1.4	.3	.1	.2	.1					33	33		
78/ 77						.2	.4	.3	.8	.4	.3	.1						24	24		
76/ 75			.1	.1	.5	.4	.4	.6	.8	.1	.2	.1						31	31	1	
74/ 73					.4	.4	.4	.2	.6	.8	.2							28	28		1
72/ 71		.1	.5	.2	.7	.6	.8	1.0	1.3	.1	.2							50	50	2	
70/ 69			.6	.3	.9	.8	.7	.7	.4	.7	.7							51	51	7	2
68/ 67		.2	.9	.7	1.2	.9	.3	.4	.4	1.1	.2	.1						59	59	33	3
66/ 65		.1	.7	.4	.4	1.0	.3	1.3	1.2	.9								58	58	59	12
64/ 63		.1	1.1	.6	.7	.4	.7	1.0	.8	.1								57	57	47	12
62/ 61		.1	.2	.6	.7	.9	1.3	1.0	.8	.1								51	51	63	17
60/ 59		.6	.8	.7	1.1	1.9	1.0	.8	1.0									70	70	48	39
58/ 57		.7	1.1	1.2	.8	1.3	2.1	.4	.7									75	75	61	32
56/ 55		.1	1.2	1.8	1.7	2.2	1.1	.4	.2									79	79	60	50
54/ 53		.4	.4	.7	.7	.6	.6	.1	.2									33	33	46	48
52/ 51		.2	.3	1.2	1.1	1.3	.4	.0	.1									48	49	79	41
50/ 49	.3	.3	.6	.4	1.2	.5	.4	.2										39	39	101	64
48/ 47		.2	1.0	1.0	.2	.3												25	25	77	46
46/ 45		.4	1.1	.3		.2	.1											20	20	73	56
44/ 43			.1			.2												3	3	58	44
42/ 41																				50	53
40/ 39																				19	59
38/ 37																				6	61
36/ 35																				5	58
34/ 33																				3	55
32/ 31																					41
30/ 29																					29
28/ 27																					21
26/ 25																					11
24/ 23																					16

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | APR MONTH

1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21																					15
20/ 19																					2
18/ 17																					1
16/ 15																					4
14/ 13																					3
12/ 11																					1
10/ 9																					1
TOTAL	.3	3.7	10.8	10.4	12.4	14.9	11.6	11.8	11.8	5.3	4.3	1.7	.6	.2	.2				899		898
																		898		898	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2009700	45618	50.8	18.053	899							
Dry Bulb	373^221	57177	63.6	10.216	899			34.0	18.0	6.2		90
Wet Bulb	2592857	47697	53.1	8.141	898			4.3	.1			90
Dew Point	1806291	39023	43.5	11.100	898		14.5	.6	.1			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13700 STATION | LANGLEY AFB, VA STATION NAME | 72-76, 73-78 YEARS | APR MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85											.1							1	1		
82/ 81									.1	.2	.3	.3	.1					10	10		
80/ 79						.1		.4	.2	.1	.1	.2						11	11		
78/ 77							.2	.6	.4	.2		.1						14	14		
76/ 75					.3	.3	1.1	.1	.9	.3	.2							30	30		
74/ 73				.2	.6	.7	.6	.7	.1	.1								26	26		
72/ 71			.4	.4	.3	.7	1.0	.4	.2	.1								33	33		
70/ 69			.6	.7	.8	.8	.7	.6	.3	.2								41	41	2	
68/ 67		.4	.6	.2	.6	.6	.8	.6	.3	.2								38	38	9	
66/ 65			.7	1.3	1.0	1.1	.7	.3	.1		.1							48	48	38	11
64/ 63		.7	.4	.8	1.3	.4	.3	1.2	.3	.2								52	52	38	11
62/ 61		.3	1.2	.6	.4	.6	1.0	1.3	.1	.1								53	53	47	19
60/ 59		.6	.8	1.2	.8	1.9	.8	.7	.1									61	61	67	16
58/ 57		.8	2.1	1.1	1.9	1.9	1.6	.4	.3									91	91	45	40
56/ 55		.8	2.0	2.6	1.0	2.3	.4	.2										84	84	59	45
54/ 53		.7	1.4	1.4	1.8	1.6	.6											67	67	64	50
52/ 51		1.1	1.8	1.3	1.8	.9	.4	.1										65	65	61	49
50/ 49	.1	.7	1.8	2.0	1.2	.8	.4	.3										66	66	99	66
48/ 47	.2	.1	1.8	1.2	.7	.6	.2	.2										45	45	89	61
46/ 45		.1	2.1	.4	.8	.6	.2											38	38	96	60
44/ 43		.4	.9	.2	.3													17	17	64	40
42/ 41			.2	.2		.2												6	6	35	70
40/ 39				.1		.1												2	2	29	59
38/ 37																				17	69
36/ 35																				13	63
34/ 33																				5	39
32/ 31																				2	40
30/ 29																					22
28/ 27																					15
26/ 25																					20
24/ 23																					11
22/ 21																					8
20/ 19																					3
18/ 17																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-7[illegible], 73-78 YEARS | APR MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
16/ 15																					2
14/ 13																					2
12/ 11																					3
8/ 7																					2
TOTAL	.3	6.7	8.6	10.1	15.6	16.2	11.3	6.2	3.7	1.9	.9	.7	.1					899	899		99

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3348751	52569	58.5	7.493	899							
Dry Bulb	3220457	53161	59.1	9.252	899			20.4	9.2	1.3		90
Wet Bulb	2408082	45990	51.2	7.853	899		.2	1.1				90
Dew Point	1790915	39003	43.4	10.488	899		13.1					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1970-[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13707 STATION | LANGLEY AFB, VA STATION NAME | 7-79, 73-78 YEARS | APR MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	C.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75							.3	.2	.1	.1								7	7		
74/ 73					.2	.2	.8	.1	.3	.1								16	16		
72/ 71			.2		.9	.9	1.1	.3										31	31		
70/ 69		.2	.6	.4	1.6	1.2	.6											41	41		
68/ 67		.2	.7	.7	.6	.8	.1											27	27	9	
66/ 65		.4	.6	1.2	1.2	.4	.3	.1	.1									40	40	13	8
64/ 63	.1	.1	1.1	1.2	1.4	.6	.3											44	44	37	11
62/ 61		.4	1.0	.7	1.6	.3												36	36	36	8
60/ 59		1.0	2.9	1.0	1.0	.9	.4	.1										66	66	51	20
58/ 57		1.3	1.6	.8	1.6	1.1	.1	.1										59	59	53	47
56/ 55	.1	1.3	2.3	2.1	1.6	1.1	.1	.1	.1									80	80	65	45
54/ 53	.1	1.9	2.1	3.1	3.0	.8	.2	.1										102	102	64	54
52/ 51	.1	.6	2.3	3.0	1.2	.6	.3											73	73	62	74
50/ 49		1.7	2.2	2.7	1.6	.9	.1											82	82	71	50
48/ 47	.1	1.1	1.6	3.4	.9	.9	.1											73	73	90	65
46/ 45		1.3	2.1	.7	1.2	.4	.2											54	54	91	57
44/ 43		.6	.9	1.1	.8	.6	.3											40	40	32	44
42/ 41		.2	.9	.7	.2		.1											19	19	62	75
40/ 39			.2	.1	.4													7	7	37	64
38/ 37					.1													1	1	30	76
36/ 35			.1															1	1	19	59
34/ 33																				11	31
32/ 31																				5	24
30/ 29																				1	15
28/ 27																					14
26/ 25																					22
24/ 23																					14
22/ 21																					5
20/ 19																					3
18/ 17																					6
16/ 15																					2
14/ 13																					3
10/ 9																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE 1972-570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-7[illegible],73-78 YEARS | APR MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	.6	12.7	23.4	23.1	21.0	12.2	5.0	1.4	.4	.1								899		899
																		899		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4105863	59221	65.9	15.099	899							
Dry Bulb	2850865	50055	55.7	8.434	899			12.2	2.3			90
Wet Bulb	2281129	44787	49.8	7.960	899		[illegible]0	.9				90
Dew Point	1818331	39369	43.8	10.247	899		11.1					90

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-7[illegible],73-78 YEARS | APR MONTH | PAGE 1 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89													.0	.0	.0			7	7		
88/ 87											.0	.0	.0	.0				5	8		
86/ 85										.0	.1	.1	.0	.0				17	17		
84/ 83									.0	.1	.2	.0	.0					31	31		
82/ 81				.0		.0	.0	.2	.2	.3	.2	.2	.0					86	80		
80/ 79				.0		.1	.1	.3	.3	.1	.1	.1	.0					84	84		
78/ 77					.0	.1	.3	.2	.3	.2	.1	.0						93	93		
76/ 75			.0	.1	.2	.3	.2	.3	.3	.1	.1	.0	.0					145	145	1	
74/ 73			.0	.1	.3	.5	.3	.4	.2	.2	.1							162	162	2	1
72/ 71		.1	.3	.3	.6	.4	.7	.4	.4	.1	.1							234	234	7	2
70/ 69		.1	.6	.5	.8	.7	.4	.4	.3	.2	.1							293	293	24	5
68/ 67		.3	.7	.9	.6	.7	.3	.3	.2	.3	.0	.0						309	309	125	15
66/ 65		.4	.9	1.0	.8	.6	.4	.4	.3	.2	.0							374	374	251	70
64/ 63	.0	.5	1.0	1.1	.9	.6	.5	.6	.3	.1								400	400	323	97
62/ 61		.6	1.2	1.0	.8	.7	.7	.5	.2	.0								401	401	373	139
60/ 59	.0	.8	1.5	1.2	.8	1.4	.6	.4	.2									495	495	426	258
58/ 57	.0	.9	1.6	1.0	1.2	1.2	.9	.4	.2									528	528	426	317
56/ 55	.1	1.0	1.7	1.9	1.2	1.7	.5	.2	.1									596	596	453	375
54/ 53	.1	1.0	1.8	1.8	1.6	.8	.6	.1	.0									564	564	475	393
52/ 51	.1	.8	1.6	1.7	1.1	.7	.4	.2	.0									476	477	503	411
50/ 49	.2	1.0	1.7	1.8	1.3	.7	.3	.1										513	513	672	446
48/ 47	.1	.9	1.6	2.0	.8	.4	.1	.0										429	429	630	401
46/ 45	.1	1.1	2.0	1.0	.7	.4	.1											388	388	630	457
44/ 43	.0	.7	.9	.5	.6	.2	.0											214	214	556	391
42/ 41		.4	.5	.6	.4	.1	.0											143	143	495	484
40/ 39		.3	.3	.6	.2	.2												111	111	285	514
38/ 37		.1	.2	.2	.2	.0												47	47	190	524
36/ 35	.0	.2	.1	.1	.1													35	35	162	469
34/ 33	.0	.1	.0	.0	.0													11	11	104	320
32/ 31		.1																	4	37	268
30/ 29																				34	195
28/ 27																				8	149
26/ 25																					171
24/ 23																					107

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	No. Hrs. with Temperature					
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 90 F	≥ 93 F	Total
Dry Bulb											
Wet Bulb											
Dew Point											

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE: 1970 O-392-570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | APR MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21																					70
20/ 19																					42
18/ 17																					27
16/ 15																					24
14/ 13																					23
12/ 11																					18
10/ 9																					7
8/ 7																					2
TOTAL	.6	11.4	20.2	19.4	15.5	12.4	7.8	5.5	3.5	1.9	1.2	.5	.2	.0	.0			7192	7193	7192	7192

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	29679346	443638	61.7	17.937	7192							
Dry Bulb	24718276	415258	57.7	20.178	7193		.4	146.4	62.6	18.8		720
Wet Bulb	18908366	363566	50.6	8.582	7192		7.9	15.9	.3			720
Dew Point	14452170	312744	43.5	10.888	7192		110.4	2.3	.1			720

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1967 O-249-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1370 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | MAY MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77			.1															1	1		
76/ 75			.2	.3	.1	.1												7	7		
74/ 73		.4	.4	1.3	.1	.1		.1										23	23	5	
72/ 71		.8	3.0	.9	.8	.4	.1											55	55	5	7
70/ 69		1.5	4.0	1.1	.6	.6	.1	.1										75	75	21	7
68/ 67	.2	1.2	4.6	1.8	.9	.4	.1											86	86	59	29
66/ 65	.4	2.3	2.4	1.3	1.3	.3												74	74	74	62
64/ 63	.1	3.4	3.4	1.8	.6	.2												91	91	65	66
62/ 61	.1	3.7	2.6	2.7	.9	.2												94	94	76	68
60/ 59	.4	2.6	3.2	1.3	.6	.3												79	79	101	75
58/ 57	.3	3.9	2.9	1.6	1.1	.2												93	93	92	79
56/ 55	.2	1.7	1.9	1.5	.6	.1	.1											58	58	99	86
54/ 53	.3	1.6	2.4	1.5	.4													58	58	58	86
52/ 51	.1	2.3	2.6	1.2	.2		.1											60	60	55	53
50/ 49		1.7	.8	.4	.3													30	30	80	76
48/ 47		1.2	.3	.4	.3													21	21	51	52
46/ 45		.3	.6	.4														13	13	25	54
44/ 43		.2	.4	.1														7	7	18	41
42/ 41		.3	.2															5	5	12	32
40/ 39																				14	19
38/ 37																					15
36/ 35																					9
34/ 33																					5
32/ 31																					0
30/ 29																					1
28/ 27																					2
TOTAL	2.3	29.0	36.1	19.7	9.0	3.1	.5	.2										930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5927164	73446	79.0	11.084	930							
Dry Bulb	3504052	56684	61.0	7.272	930			24.7	3.1			93
Wet Bulb	3086737	53153	57.2	7.251	930			9.0	.5			93
Dew Point	2795430	50380	54.2	8.444	930		.9	4.3				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1968-O-782-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-10, 73-78 YEARS | MAY MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75			.3															3	3		
74/ 73		.2	.5	.2	.1													10	10	2	
72/ 71	.1	.1	2.6	.2		.1												29	29	7	5
70/ 69	.1	1.2	3.3	1.1	.3	.1												57	57	16	7
68/ 67	.3	2.5	2.6	1.1	.8	.1												68	68	43	26
66/ 65	.6	3.7	3.9	1.2	.6	.1												95	95	72	59
64/ 63	.5	3.4	3.8	2.5	.8	.4												108	106	76	53
62/ 61		3.5	3.5	2.8	.5	.4												101	101	80	74
60/ 59	.4	3.0	2.4	1.3	.5													72	72	91	75
58/ 57	1.1	3.7	3.3	.9	.5	.2												90	90	97	75
56/ 55		3.0	1.6	1.1	.5													58	58	87	91
54/ 53		2.2	1.9	1.1	.2	.2	.1											53	53	78	69
52/ 51	.3	2.4	3.2	.6	.4	.2												67	67	54	84
50/ 49		2.2	3.0	.5	.2	.2												57	57	61	58
48/ 47		1.1	.4	.6	.8	.1												28	28	66	50
46/ 45		.6	.4	.4	.2													16	16	36	59
44/ 43		.5	.5	.2														12	12	15	39
42/ 41		.4	.2															6	6	26	32
40/ 39		.1	.1															2	2	20	19
38/ 37																				3	14
36/ 35																					11
34/ 33																					14
32/ 31																					4
30/ 29																					6
28/ 27																					5
26/ 25																					1
TOTAL	3.5	33.8	37.7	15.8	6.8	2.3	.1											930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6181394	75036	80.7	11.701	930							
Dry Bulb	3353338	55436	59.6	7.253	93.			10.7	1.3			93
Wet Bulb	2994897	52313	56.3	7.500	930			6.8	.2			93
Dew Point	2732605	49735	53.5	8.856	930		1.6	3.8				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1968

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB,VA — STATION NAME
7-70,73-78 — YEARS
MAY — MONTH
PAGE 1
0600-0600 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81					.1													1	1		
78/ 77			.2	.1	.4													7	7		
76/ 75			.5	.3	.4	.1												13	13		
74/ 73		.1	1.3	1.1	.6	.2	.1											32	32	3	
72/ 71	.2	1.4	2.6	1.5	1.3	.4	.1											70	70	15	0
70/ 69	.2	1.5	2.9	2.4	1.1	.2		.1										78	78	41	27
68/ 67	.4	1.8	3.1	1.8	1.4	.9												88	88	58	40
66/ 65	.2	2.6	2.6	2.3	1.1	1.3												95	95	76	51
64/ 63		2.6	3.1	2.6	1.2	1.1												98	98	86	56
62/ 61	.3	1.8	3.2	2.7	1.4	.4	.2											94	94	86	74
60/ 59	.3	3.0	2.7	1.1	1.2	.4	.2											85	85	94	82
58/ 57	.2	1.4	2.6	1.5	1.6	.3	.1											66	66	92	86
56/ 55		2.2	1.0	2.2	.5	.5												61	61	84	73
54/ 53		1.6	1.6	1.3	.5	.6												53	53	78	71
52/ 51		1.2	1.2	1.1	.3	.1												36	36	56	74
50/ 49		1.0	.9	.1	.2	.4												24	24	57	70
48/ 47		.4	.6	.3	.3	.1												17	17	38	46
46/ 45		.1	.4	.1	.1													7	7	28	43
44/ 43		.1	.1															2	2	17	31
42/ 41		.2	.1															3	3	10	34
40/ 39																				10	17
38/ 37																				1	13
36/ 35																					15
34/ 33																					6
32/ 31																					7
30/ 29																					3
28/ 27																					4
26/ 25																					1
TOTAL	2.2	23.0	30.8	22.6	13.4	7.2	.8	.1										930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5549572	70794	76.1	13.140	930							
Dry Bulb	3661818	57986	62.4	7.064	930			28.9	5.3	.1		93
Wet Bulb	3170313	53675	57.9	7.287	930			11.7	.3			93
Dew Point	2828673	50613	54.4	8.936	930		1.5	7.3				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-7[illegible], 73-78 YEARS | MAY MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
92/ 91									.1									1	1		
90/ 89								.1										1	1		
88/ 87									.1	.1								2	2		
86/ 85							.3	.1										4	4		
84/ 83					.1	.3	.1	.5	.1									11	11		
82/ 81				.1	.4	.9	1.1	.3	.2									28	28		
80/ 79			.2	.6	1.0	1.0	.4	.4	.4		.1							39	39		
78/ 77			.5	.4	1.3	.5	1.2	.3		.2								42	42		
76/ 75		.2	.8	2.0	1.6	1.5	1.0	1.0	.8									88	88	7	
74/ 73	.1	.2	1.0	2.7	1.6	1.3	1.5	.3	.2	.2	.1							86	86	27	7
72/ 71		.3	1.9	1.9	2.4	.9	.6	1.1	.4									88	88	43	15
70/ 69	.3	.9	1.1	1.9	1.7	1.7	.9	.8	.2									88	88	69	32
68/ 67	.1	.5	1.2	1.6	.9	2.2	1.7	.4		.1								81	81	82	47
66/ 65		.8	1.4	1.3	1.6	1.1	1.2	.1	.3									74	75	85	63
64/ 63	.1	.4	1.2	1.2	1.0	1.3	.9	.3	.1									60	61	104	67
62/ 61		1.3	.9	1.0	1.1	.8	1.2	.5										62	62	65	62
60/ 59	.2	1.0	1.0	2.3	.3	1.1	.4	.1										59	59	79	85
58/ 57		.4	.8	.4	1.1	.4	1.1	.1										40	40	84	63
56/ 55	.2	1.4	.4	.6	1.0	.4	.3											41	41	81	76
54/ 53		.9	.8	.1	.1	.3	.2											22	22	65	52
52/ 51		.2	.2		.1	.1	.1											7	7	34	70
50/ 49				.1														1	1	52	60
48/ 47				.2	.1													3	3	24	59
46/ 45																				14	34
44/ 43																				7	32
42/ 41																				5	29
40/ 39																				1	17
38/ 37																					12
36/ 35																					17
34/ 33																					14
32/ 31																					10
30/ 29																					1
28/ 27																					3
24/ 23																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
7-70, 73-78 — YEARS
MAY — MONTH

PAGE 2
0900-1100 — HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.1	8.5	13.3	18.6	17.6	15.7	14.9	6.5	3.0	.8	.2							928	930	928	928

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4044098	59528	64.1	15.600	928							
Dry Bulb	4388643	63479	68.3	7.747	930			55.9	30.2	6.4		93
Wet Bulb	3461790	56266	60.6	7.360	928			22.8	3.4			93
Dew Point	2889958	51016	55.0	4.598	928		1.5	10.1	.7			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GPO 704-870 GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | MAY MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93								.1	.1									2	2		
92/ 91										.1								1	1		
90/ 89						.2		.1		.2	.2							7	7		
88/ 87							.4	.2	.2	.9	.2							18	18		
86/ 85					.1	.4	.5	.6	1.0	.2	.3	.1						31	31		
84/ 83					.2	.9	1.2	1.4	.4	.3	.2							43	43		
82/ 81				.1	.2	.9	1.2	.4	1.1	.6	.2	.2						46	46		
80/ 79				.2	.5	.9	.8	1.4	.5	.5	.2							47	47	4	
78/ 77		.1	.1		.5	1.1	.9	.8	.9	.8								47	47	2	
76/ 75		.2	.3	1.1	2.6	2.7	1.8	.9	.3	.5	.6							104	104	14	3
74/ 73			.6	1.4	1.6	2.6	1.0	.3	.6	1.1								86	86	29	9
72/ 71		.3	1.4	1.2	1.6	1.6	.4	1.1	.8	.1								79	79	50	8
70/ 69	.3	.9	.8	.9	1.4	.9	2.0	.8	.2	.1								76	76	79	28
68/ 67		.3	.5	.8	1.2	1.4	1.2	.9	.9		.1							67	67	90	47
66/ 65		.5	.9	.9	.8	.6	1.2	1.2	1.0									65	65	99	58
64/ 63		.3	.5	1.3	1.0	.4	.6	.9	.3									50	50	93	64
62/ 61		.8	.6	1.0	.9	.3	.5	.8	.1									47	47	68	79
60/ 59	.1	.9	.6	1.3	.6	.3	.4	.8	.1									48	48	65	66
58/ 57		.5	.3	.1	.2	.5	.4	.2										27	28	93	97
56/ 55		.8	.4	.3	.3			.1										18	18	78	67
54/ 53	.3	.3	.2	.8	.1													16	16	51	58
52/ 51		.3																3	3	38	50
50/ 49				.1														1	1	40	53
48/ 47																				21	48
46/ 45																				12	46
44/ 43																				3	35
42/ 41																					23
40/ 39																					17
38/ 37																					29
36/ 35																					18
34/ 33																					11
32/ 31																					7
30/ 29																					4
28/ 27																					2

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-75, 73-78 YEARS | MAY MONTH

1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
26/ 25																					2
TOTAL	.1	5.2	8.0	11.3	13.9	15.7	14.7	12.8	8.5	4.5	2.3	.3						929	930	929	929

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3382980	53862	58.0	16.743	929							
Dry Bulb	4801764	66356	71.4	8.507	930			65.4	43.2	17.9	.2	93
Wet Bulb	3577875	57255	61.6	7.282	929			26.8	4.9	.1		93
Dew Point	2875535	50883	54.8	9.770	929		1.5	9.5	1.2			93

USAFETAC FORM 0-26-5 (OL A) 7/64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1962-610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | MAY MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95									.1									1	1		
94/ 93							.1	.1										2	2		
92/ 91							.1				.1							2	2		
90/ 89								.2		.1	.1							4	4		
88/ 87							.1	.3	.8	.4	.3							18	18		
86/ 85					.1	.3	.2	.4	1.4	.4	.4	.1						32	32		
84/ 83					.1	.3	.4	.8	.8	.5	.5							32	32		
82/ 81				.1	.2	1.0	1.4	.9	.4	1.0	.4							50	50	1	
80/ 79				.2	.5	1.4	.9	.5	1.6	.6	.3							57	57	3	
78/ 77				.3	1.7	.3	.5	.9	.3	.3	.2							43	43	1	1
76/ 75		.3	.5	.4	1.8	.9	1.7	.3	.2	.2	.4							68	68	15	5
74/ 73		.2	.8	1.5	1.7	2.8	1.6	.5	.5	1.0								99	99	15	2
72/ 71	.1	.2	1.0	1.1	1.9	1.2	.4	.5	1.2	.5								76	76	53	10
70/ 69		.1	1.1	1.7	1.8	1.1	.6	1.2	.9	.3	.2							84	84	84	26
68/ 67		.6	1.2	1.4	1.4	2.3	.6	1.1	.9	.1								90	90	63	29
66/ 65		.2	1.1	.9	.4	.9	1.2	.9	.4									55	55	93	58
64/ 63		.1	.9	1.5	.8	.9	.6	.4	.2	.2								52	52	116	69
62/ 61	.1	1.2	.8	.8	1.2	.6	.3	.2	.1									49	49	78	71
60/ 59	.1	.5	1.1	.9	.5	.2	.4	1.2	.1									47	48	76	81
58/ 57	.2	.3	1.6		.3	.6	.1											30	30	79	77
56/ 55	.1	.4	.6	.3	.5	.2												21	21	78	83
54/ 53		.4	.5	.3														12	12	66	74
52/ 51		.4	.1															5	5	47	59
50/ 49																				28	54
48/ 47																				21	34
46/ 45																				12	44
44/ 43																					42
42/ 41																					28
40/ 39																					26
38/ 37																					21
36/ 35																					12
34/ 33																					6
32/ 31																					8
30/ 29																					5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-726-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 YEARS | MAY MONTH

1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
28/ 27																					2
26/ 25																					2
TOTAL	.6	5.2	11.2	11.4	15.2	15.0	11.6	6.9	9.9	.8	3.1	.1						929	930	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3421458	54160	58.3	16.866	929							
Dry Bulb	4759876	66064	71.0	8.487	930			65.8	40.8	16.7	.3	93
Wet Bulb	3549631	57051	61.4	7.045	929			23.5	3.5	.2		93
Dew Point	2849759	50703	54.6	9.428	929		1.7	7.3	.8			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-782-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13706 — STATION
LANGLEY AFB, VA — STATION NAME
67-71, 73-78 — YEARS
MAY — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
90/ 89							.1											1	1		
86/ 85						.1	.1	.1	.2	.1								6	6		
84/ 83					.2	.3	.1	.2	.1									9	9		
82/ 81					.3	.5	.6	.5	.2	.2								23	23		
80/ 79				.1	.2	1.4	.6	.4	.4	.2								32	32		
78/ 77			.1	.4	1.0	1.4	.8	.8	.9	.2								51	51	1	
76/ 75		.3	.2	1.0	1.9	.5	.6	1.3	.3									58	58	5	
74/ 73			1.1	1.1	1.1	.6	1.5	.6	.2	.1								60	60	12	2
72/ 71		.6	1.8	1.6	.8	1.5	.9	.4	.2	.1								73	73	19	10
70/ 69		.6	2.8	1.9	1.2	.5	.4	.5	.1									80	80	37	16
68/ 67		.9	2.3	1.7	.9	1.3	.8	.8	.2									81	81	76	36
66/ 65		1.0	2.4	2.3	1.5	1.2	.5	.3	.1									86	86	72	55
64/ 63	.1	1.0	2.0	1.4	1.7	1.0	1.0	.2										78	78	99	67
62/ 61		1.1	1.3	1.4	1.4	2.0	.6	.2	.1									76	76	102	83
60/ 59		1.7	1.5	1.1	1.1	.8	.3	.2	.1									63	63	82	70
58/ 57	.2	1.3	1.0	2.0	.6	.1	.3	.1										53	53	85	72
56/ 55		.8	1.2	1.1	.5	.9	.2											43	43	72	85
54/ 53	.2	1.4	.9	.5	.8	.4												39	39	57	60
52/ 51		.9	.8		.1	.1												17	17	33	79
50/ 49				.1														1	1	40	62
48/ 47																				19	51
46/ 45																				21	50
44/ 43																				8	39
42/ 41																					32
40/ 39																					21
38/ 37																					8
36/ 35																					13
34/ 33																					9
32/ 31																					4
30/ 29																					4
26/ 25																					2
TOTAL	.5	11.6	19.2	17.7	15.5	14.7	9.6	6.9	3.2	1.0									930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	4299263	61481	66.1	15.865	930
Dry Bulb	4218784	62204	66.9	7.915	930
Wet Bulb	3306436	55578	59.8	6.962	930
Dew Point	2830283	50643	54.5	8.836	930

Mean No. of Hours with Temperature

Element (X)	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb			47.4	24.0	5.6		93
Wet Bulb			18.0	1.8			93
Dew Point		1.0	5.4	.2			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13709 — STATION
LANGLEY AFB, VA — STATION NAME
7-70,73-76 — YEARS
MAY — MONTH

2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
82/ 81				.2														2	2		
80/ 79				.2	.2	.3												7	7		
78/ 77				.1	.3	.1	.1											8	8		
76/ 75		.1	.2	.9	1.3	.3	.1	.2										31	31	2	
74/ 73	.1	.3	1.1	1.8	.6	1.0	.3											51	51	6	1
72/ 71		.2	2.0	1.6	1.7	1.2	.5	.1										69	69	8	8
70/ 69	.3	1.0	3.7	1.2	1.7	.5	.5											102	102	40	10
68/ 67		1.0	2.9	1.7	1.5	.5												71	71	70	27
66/ 65	.1	2.4	2.9	.9	.6	.5	.1											70	70	82	70
64/ 63		1.9	3.3	2.4	1.2	.9												90	90	107	71
62/ 61		2.7	2.3	2.8	.8	.4												83	83	97	74
60/ 59	.3	3.2	2.9	1.5	2.3	.6	.2											104	104	112	82
58/ 57	.1	2.0	2.5	1.5	1.6													72	72	81	89
56/ 55		1.0	1.2	1.4	.3	.2												40	40	88	85
54/ 53	.3	.8	2.9	1.5	.5	.2												58	58	56	70
52/ 51		1.0	1.5	.4	.3	.2												32	32	61	62
50/ 49		.6	.9	.5	.5													24	24	75	59
48/ 47		.5	.3	.4														12	12	27	59
46/ 45			.2															2	2	22	53
44/ 43			.2															2	2	18	38
42/ 41																				6	20
40/ 39																				2	19
38/ 37																					12
36/ 35																					12
34/ 33																					4
32/ 31																					4
30/ 29																					1
TOTAL	1.3	18.7	33.0	21.1	16.2	7.2	2.2	.3											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5331964	69464	74.7	12.430	930							
Dry Bulb	3776877	58875	63.3	7.315	930			34.1	9.9	.5		93
Wet Bulb	3229421	54413	58.5	7.021	930			12.6	.8			93
Dew Point	2860901	51001	54.8	8.301	930		.3	4.6	.1			93

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-757-010

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13706 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | MAY MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp.	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95									.0									1	1		
94/ 93							.0	.0	.0									4	4		
92/ 91							.0		.0	.0	.0							4	4		
90/ 89						.0	.0	.1		.0	.0							13	13		
88/ 87							.1	.1	.1	.2	.1							38	38		
86/ 85					.0	.1	.1	.2	.3	.1	.1	.0						73	73		
84/ 83					.1	.2	.2	.4	.2	.1	.1							95	95		
82/ 81				.1	.2	.4	.5	.3	.2	.2	.1	.0						150	150	1	
80/ 79			.0	.2	.3	.6	.3	.3	.4	.2	.1							182	182	7	
78/ 77		.0	.1	.2	.7	.4	.4	.3	.3	.2	.0							199	199	4	1
76/ 75		.1	.4	.8	1.3	.8	.7	.5	.2	.1	.1							372	372	43	8
74/ 73	.0	.2	.6	1.4	.9	1.1	.6	.3	.2	.3	.0							447	447	99	21
72/ 71	.1	.5	2.0	1.3	1.3	.9	.4	.4	.3	.1								539	539	200	69
70/ 69	.2	1.0	2.7	1.5	1.3	.7	.6	.4	.2	.1	.0							640	640	417	153
68/ 67	.1	1.1	2.3	1.5	1.1	1.1	.6	.4	.2	.0	.0							632	632	541	281
66/ 65	.2	1.7	2.2	1.4	1.0	.8	.5	.3	.2									614	615	653	476
64/ 63	.1	1.7	2.3	1.8	1.0	.8	.4	.2	.1	.0								625	626	766	613
62/ 61	.1	2.0	1.9	1.9	1.0	.7	.4	.2	.0									606	606	822	685
60/ 59	.3	2.0	1.9	1.3	.9	.5	.3	.3	.0									557	558	700	616
58/ 57	.3	1.7	1.9	1.0	.8	.3	.3	.1										471	472	703	638
56/ 55	.1	1.4	1.0	1.1	.6	.3	.1	.0										340	340	667	646
54/ 53	.1	1.1	1.4	.9	.3	.2	.0											311	311	519	540
52/ 51	.1	1.1	1.2	.4	.2	.1	.0											227	227	428	531
50/ 49		.7	.7	.2	.2	.1												138	138	433	492
48/ 47		.4	.2	.3	.2	.0												81	81	267	399
46/ 45		.1	.2	.1	.0													38	38	170	383
44/ 43		.1	.2	.0														23	23	86	297
42/ 41		.1	.1															14	14	59	230
40/ 39		.0	.0															2	2	47	155
38/ 37																				4	124
36/ 35																					107
34/ 33																					69
32/ 31																					50
30/ 29																					25

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	> 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13706 STATION | LANGLEY AFB, VA STATION NAME | 7-7),73-78 YEARS | MAY MONTH

PAGE 2 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
28/ 27																					18
26/ 25																					8
24/ 23																					1
TOTAL	1,517	1,023	711	513	410	310	168	94	47	31	16	7	1					7446			7436
																	7436		7436		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	38136893	517771	69.6	16.743	7436							
Dry Bulb	32465152	487084	65.5	8.804	7440			338.9	157.8	47.2	.5	744
Wet Bulb	20437100	439904	59.2	7.453	7436			131.3	15.4	.3		744
Dew Point	22663144	404974	54.5	9.041	7436		10.7	53.3	3.0			744

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1985-461-705/20170

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 YEARS | JUL MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83				.1		.2												3	3		
82/ 81		.1	.4				.1											6	6		
80/ 79		.2	.1	.9	.4	.1	.1											17	17	2	
78/ 77		.2	.9	1.4	.4	.2	.2											31	31	6	5
76/ 75		1.8	3.8	4.8	1.6	.3												110	110	9	6
74/ 73	1.0	5.6	6.2	4.9	1.3	.3												174	174	57	32
72/ 71	.1	4.4	5.8	2.9	1.0	.7												134	134	128	56
70/ 69	.4	3.7	4.4	1.6	1.2	.2	.1											105	105	157	138
68/ 67	.3	3.8	4.4	1.8	.8		.4											104	104	130	118
66/ 65	.3	2.3	3.7	1.9	.6	.2												81	81	103	117
64/ 63		1.2	1.1	1.2	.3													35	35	69	108
62/ 61	.2	1.7	.8	.6	1.1													30	39	71	70
60/ 59		2.6	.7	.9	.2													36	39	50	67
58/ 57		.7		.4	.1													11	11	44	58
56/ 55				.2														2	2	21	58
54/ 53																				17	13
52/ 51																				5	5
50/ 49		.2	.2															4	4	2	12
48/ 47		.2																2	2	4	22
46/ 45		.2																2	2	2	6
44/ 43		.1																1	1	3	6
42/ 41																					3
TOTAL	2.4	29.0	32.6	23.6	9.1	2.3	1.0												900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6035082	73084	81.2	7.565	900							
Dry Bulb	4425063	62907	69.9	5.588	900			60.4	34.1	1.5		90
Wet Bulb	3955405	59449	66.1	5.634	900			48.9	7.4			90
Dew Point	3695743	57369	63.7	6.574	900			35.5	4.3			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-76 YEARS | JUN MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
80/ 79		.1	.2		.1	.2												6	6		
78/ 77		.7	.2	.9	.1													17	17	3	3
76/ 75	.2	1.9	3.4	1.4	.4	.1												68	68	11	5
74/ 73	.7	4.6	6.4	3.0	.2	.3												137	137	44	25
72/ 71	.7	5.3	8.8	1.3	.8													152	152	104	53
70/ 69	.9	4.9	5.1	.7	1.3	.1												117	117	144	125
68/ 67	.4	5.3	3.8	1.1	.4	.2	.2											104	104	137	133
66/ 65	.8	5.3	3.7	2.0	.4													108	108	118	112
64/ 63	.2	2.8	1.9	1.2	.4	.1												60	60	85	117
62/ 61	.3	2.1	.9	.2	.4													36	36	80	60
60/ 59	.2	3.3	.8	.7	.4													47	47	66	74
58/ 57	.1	1.3	.3	1.1														26	26	50	68
56/ 55		.3	.2	.1														7	7	16	47
54/ 53		.2	.2	.1														5	5	18	20
52/ 51		.1	.1	.2														4	4	16	9
50/ 49																				4	11
48/ 47		.1																1	1	1	20
46/ 45		.2																2	2	5	9
44/ 43		.3																3	3	1	3
42/ 41																				2	4
40/ 39																					2
TOTAL	4.3	39	26.0	14.1	5.2	1.1	.2												900		900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum.	65 [illegible]524	76214	84.7	9.755	900
Dry Bulb	4231793	61507	68.3	5.614	900
Wet Bulb	3368789	58779	65.3	5.770	900
Dew Point	3665165	57129	63.5	6.570	900

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb			60.1	22.8	.1		90
Wet Bulb			43.8	5.8			90
Dew Point			34.4	3.3			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1973 746-760/1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | JUN MONTH

PAGE 1 | 0600-0600 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85					.1	.1												2	2		
84/ 83			.1	.1	.1	.2												5	5		
82/ 81				.9	.7	.2		.1										17	17		
80/ 79		.3	1.1	1.7	1.0	.2	.1											40	40	1	1
78/ 77		1.3	1.7	3.2	.9	.6	.1											67	67	6	2
76/ 75	.1	1.9	3.	4.7	2.1	.3	.1											132	132	34	13
74/ 73	.3	4.7	6.1	5.0	1.1	.7	.1											162	162	82	43
72/ 71	.3	3.8	6.0	1.9	1.9	.7	.1	.1										133	133	141	77
70/ 69	.4	2.8	4.7	2.0	1.9	.6	.1											112	112	145	141
68/ 67		3.1	3.6	2.2	.7	.6												91	91	148	127
66/ 65	.1	2.1	2.4	.9	.2	.1												53	53	90	127
64/ 63	.2	1.3	.8	.4	.6	.1												31	31	27	92
62/ 61	.1	1.3	.3	.2	.7	.1	.1											26	26	70	72
60/ 59		.8	.2	.1	.1	.1												17	17	30	72
58/ 57		.1	.1	.2	.2													7	7	23	53
56/ 55		.1	.1															2	2	9	21
54/ 53				.1														1	1	15	15
52/ 51																				4	11
50/ 49		.1																1	1	2	13
48/ 47		.1																1	1	3	9
46/ 45																					6
44/ 43																					2
42/ 41																					2
40/ 39																					1
TOTAL	1.7	23.6	32.3	24.2	12.2	5.0	.8	.2										900	900		900
																				900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5809207	71647	79.6	10.835	900							
Dry Bulb	4626771	64351	71.5	9.185	900			70.1	42.5	3.8		90
Wet Bulb	4091313	60501	67.2	9.192	900			55.7	12.3	.1		90
Dew Point	3804773	58251	64.7	8.201	900			40.4	5.9			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION — LANGLEY AFB, VA STATION NAME — 73-77, 73-78 YEARS — JUN MONTH

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
92/ 91				.1			.1											2	2		
90/ 89				.1		.1	.2	.	.2	.1								11	11		
88/ 87					.2	.8	1.2	.6	.4									29	29		
86/ 85			.2		1.4	1.6	1.1	.4	.2	.2	.1							48	48	1	
84/ 83			.2	.8	1.9	2.6	1.9	.7	.3	.1								76	76	1	1
82/ 81			.3	1.9	3.8	3.8	1.7	1.0	.2	.1								115	115	2	2
80/ 79			.7	2.6	3.9	3.7	1.6	.9	.2									121	121	9	2
78/ 77		.1	1.2	3.4	3.2	2.1	2.0	.7	.6									122	122	42	3
76/ 75		.8	1.8	3.1	3.0	1.9	.9	.6										110	110	73	27
74/ 73		.8	1.1	1.9	1.6	1.6	1.9	.7										85	85	147	55
72/ 71	.1	1.0	1.3	1.7	1.0	.8	1.0											62	62	142	88
70/ 69	.1	1.0	1.7	.8	.7	1.4	.2	.2										55	55	122	127
68/ 67		.4	.8	.3	.3	.6			.1	.1								24	24	16	124
66/ 65		.4	.6	.4	.6	.6	.6											28	28	91	102
64/ 63		.1	.1	.1	.1		.2											6	6	60	83
62/ 61						.1												1	1	48	70
60/ 59		.3				.1												4	4	22	52
58/ 57					.1													1	1	15	35
56/ 55																				10	47
54/ 53																				2	31
52/ 51																				4	24
50/ 49																				3	6
48/ 47																					6
46/ 45																					0
44/ 43																					3
42/ 41																					3
40/ 39																					1
38/ 35																					1
32/ 31																					1
TOTAL	.2	5.0	10.0	17.2	21.0	21.0	14.0	6.0	2.3	.7	.1							900		900	
																	900		900		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4082666	59550	66.2	12.587	900							
Dry Bulb	5411940	69598	77.3	5.763	900			86.0	71.9	33.9		90
Wet Bulb	4342459	62327	69.3	5.396	900			64.5	27.5	.8		90
Dew Point	3818013	58283	64.8	6.970	900		.1	42.9	9.0	.3		90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13707 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-78 (YEARS) JUL (MONTH)

 1200-1400 (HOURS (L. S. T.))

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
94/ 93					.1		.1	.1	.3	.2									8	8		
92/ 91					.2	.2	.1	.3	.6	.8	.1	.4							27	27		
90/ 89				.1	.1	.3	.7	1.2	1.1	.2	.3								39	39		
88/ 87				.1	.4	1.3	2.7	3.0	.7	.3	.2								79	79		
86/ 85			.2	.2	.4	2.2	2.7	1.9	.6	.3	.0	.2							88	88	3	
84/ 83				.7	1.7	2.4	3.8	1.3	1.4	.3	.1								106	106	3	4
82/ 81				1.3	1.8	2.4	2.1	1.8	.9	.2									95	95	6	2
80/ 79			.2	1.8	1.8	2.2	1.1	2.2	.6	.2									91	91	21	4
78/ 77		.1	.6	2.7	2.2	.7	1.8	1.0	.8	.1									94	94	49	6
76/ 75		.4	1.1	1.6	1.7	2.0	1.2	1.0	.5										86	86	90	23
74/ 73	.1	.4	.4	.9	2.4	1.2	2.2	.7											76	76	165	48
72/ 71		.7	1.6	.1	.0	.8	.7	.2	.3										46	46	117	79
70/ 69		.2	1.7	.6	.2	.7		.4	.1	.2									37	37	91	129
68/ 67		.1	.5	.2		.2	.3	.1	.1	.1									16	16	108	127
66/ 65		.3	.2				.1												6	6	98	84
64/ 63																					54	71
62/ 61																					42	69
60/ 59		.3				.3													6	6	16	72
58/ 57																					8	42
56/ 55																					11	56
54/ 53																					7	28
52/ 51																					3	23
50/ 49																					3	10
48/ 47																						3
46/ 45																						0
44/ 43																						5
42/ 41																						4
40/ 39																						2
38/ 35																						1
34/ 33																						1
32/ 31																						1
TOTAL	.1	2.7	6.6	10.2	13.9	17.1	19.8	16.3	8.0	1.6	1.3	.4								900		900
																			900		900	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3405703	54047	60.1	3.343	900							
Dry Bulb	5801990	72036	80.0	6.348	900			88.8	78.9	48.2	.8	90
Wet Bulb	4420315	62875	69.9	5.561	900			65.3	33.7	1.8		90
Dew Point	3778651	57939	64.4	7.362	900		.1	42.2	8.7	.7		90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION — LANGLEY AFB, VA STATION NAME — 7-7[illegible],73-7[illegible] YEARS — JUN MONTH

PAGE 1 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95								.2	.1		.1							4	4		
94/ 93					.1	.2		.1	.3	.3		.1						11	11		
92/ 91						.2	.2	.4	1.0	.1		.2						20	20		
90/ 89					.1		.0	1.2	1.2	.3	.1							38	38		
88/ 87				.1	.2	.1	1.7	3.3	1.0	.3	.1							62	62		
86/ 85				.3	1.0	1.3	1.9	1.8	1.6	1.1	.0							86	86	1	
84/ 83				.1	1.1	1.9	2.2	1.7	.0		.3							71	71	2	1
82/ 81				.4	2.8	1.6	2.4	1.2	.2	.6								83	83	8	2
80/ 79			1.2	2.6	1.9	2.0	1.6	.9	1.1	.2								102	102	10	5
78/ 77			.6	2.4	2.3	2.3	1.7	1.0	1.2	.1								105	105	31	4
76/ 75		.7	2.1	1.1	1.6	2.1	1.9	1.6	.4	.1								104	104	96	14
74/ 73	.1	1.2	1.3	1.6	.9	1.7	2.4	.4	.2									89	89	148	39
72/ 71	.2	.6	.7	1.4	1.0	1.2	.3	.2	.0	.1								57	57	125	85
70/ 69	.1	.3	.4	1.3	.3			.1	.4	.1								37	37	119	144
68/ 67	.1		.9	.3	.2			.1	.3									18	18	99	92
66/ 65		.1	.1		.2	.1												5	5	75	94
64/ 63		.1	.1															2	2	94	83
62/ 61																				49	66
60/ 59		.3				.3												6	6	12	62
58/ 57																				10	45
56/ 55																				6	53
54/ 53																				7	37
52/ 51																				3	17
50/ 49																				1	12
48/ 47																					5
46/ 45																					3
44/ 43																					2
42/ 41																					6
40/ 39																					6
38/ 37																					3
TOTAL	.6	3.8	7.9	11.8	13.4	15.1	17.1	15.0	10.3	3.4	1.2	.3						900			900
																		900		900	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3510161	54761	60.8	14.430	900							
Dry Bulb	5706969	71435	79.4	6.417	900			88.7	77.5	42.8	1.5	90
Wet Bulb	4365504	62494	69.4	5.384	900			63.9	29.6	1.4		90
Dew Point	3735740	57614	64.0	7.273	900			38.6	6.5	.4		90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-570-

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1370 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-76 YEARS | JUN MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91				.1		.1		.1										3	3		
90/ 89					.2	.1	.1	.3	.2		.1							10	10		
88/ 87				.1	.2	.2	.7	1.1	.1	.2								24	24		
86/ 85			.1	.1	.4	1.1	1.7	.7	.3	.1								41	41	1	
84/ 83			.1	.7	.9	1.8	1.3	1.1	.6									58	58	1	1
82/ 81			.1	1.0	1.4	1.9	1.9	1.0	.3									69	69	5	
80/ 79		.1	.3	2.1	2.9	3.0	.9	.9	.1									93	93	8	6
78/ 77		.1	1.9	3.0	3.1	1.3	1.7	.3		.1								104	104	19	7
76/ 75	.1	.8	2.1	3.6	2.4	1.0	1.2	.9										109	109	57	13
74/ 73		1.9	2.3	3.3	1.7	1.7	1.3	.8	.2									119	119	114	33
72/ 71	.1	2.6	1.9	1.3	2.0	1.8	1.0	.7										102	102	153	72
70/ 69	.1	.6	1.4	1.6	1.7	.6	.6	.2	.1									61	61	136	126
68/ 67	.1	.4	2.7	1.1	1.2	.6	.4	.3										62	62	100	120
66/ 65	.2	.3	.7	.2	.2	.3	.1	.1										21	21	78	101
64/ 63		.3	.2	.1	.1	.3												10	10	81	75
62/ 61		.1	.1		.2	.1												5	5	69	84
60/ 59		.5			.1													6	6	32	72
58/ 57					.2													2	2	21	47
56/ 55					.1													1	1	12	39
54/ 53																				8	31
52/ 51																				2	17
50/ 49																				3	12
48/ 47																					14
46/ 45																					8
44/ 43																					6
42/ 41																					4
40/ 39																					2
TOTAL	.7	7.8	14.6	18.3	19.2	15.9	12.9	6.7	2.0	.4	.1								900		900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	4307843	60981	67.8	13.701	900							
Dry Bulb	5210887	68261	75.8	6.113	900			89.5	63.0	25.5		90
Wet Bulb	4221172	61436	68.3	5.522	900			59.4	20.5	1.1		90
Dew Point	3725868	57554	63.9	7.103	900			36.8	6.0	.3		90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-O-470

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | JUN MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87							.1											1	1		
86/ 85			.1	.2	.1	.2	.1											7	7		
84/ 83			.2	.2		.3	.1											8	8		
82/ 81			.3	.6	1.2	.7	.6	.1										31	31	2	
80/ 79			.6	1.3	1.6	1.9	.1	.2										55	55	5	2
78/ 77		.3	1.	3.9	2.3	.9	.3											80	80	5	5
76/ 75	.2	1.9	5	.9	3.2	1.0	.2											150	150	25	10
74/ 73	.4	1.2	5.2	4.1	1.6	.9	.2											124	124	93	33
72/ 71	.3	4.8	4.6	2.4	1.9	.9	.3	.1										133	133	139	64
70/ 69	.1	2.0	3.0	2.4	1.9	1.1												95	95	162	151
68/ 67	.1	1.8	3.4	1.7	1.8	1.1	.7											95	95	116	117
66/ 65	.1	.7	1.7	1.7	.3	.1	.1											42	42	80	113
64/ 63	.2	1.7	1.1	.3	.4	.4	.2											40	40	83	88
62/ 61		.7	.8		.6	.3												21	21	82	79
60/ 59		.9		.3	.1													12	12	45	66
58/ 57					.1													1	1	28	43
56/ 55																				13	57
54/ 53			.2															2	2	13	22
52/ 51			.1															1	1	4	9
50/ 49																				2	9
48/ 47		.1	.1															2	2	1	15
46/ 45																				2	8
44/ 43																					6
42/ 41																					2
40/ 39																					1
TOTAL	1.0	16.0	37.3	24.6	17.1	9.9	3.1	.4										900	900	900	
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5344302	68516	76.1	11.944	900							
Dry Bulb	4724167	65019	72.2	5.478	900			77.9	45.6	7.3		90
Wet Bulb	4079767	60399	67.1	5.418	900			54.7	13.0	.3		90
Dew Point	3734080	57660	64.1	6.671	900			36.2	5.0			90

USAFETAC FORM 0-26 5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 73-77,73-78 YEARS | JUN MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95								.0	.0		.0							4	4		
94/ 93					.0	.0	.0	.0	.1	.1		.0						19	19		
92/ 91				.0	.0	.1	.1	.2	.2	.1	.0	.1						52	52		
90/ 89				.0	.1	.1	.2	.3	.3	.1	.1							98	98		
88/ 87				.0	.1	.3	.5	1.0	.3	.1	.0							195	195		
86/ 85			.1	.1	.4	.8	.9	.6	.3	.3	.2	.0						272	272	6	
84/ 83			.1	.3	.7	1.2	1.2	.8	.4	.1	.1							327	327	7	7
82/ 81		.0	.2	.8	1.5	1.3	1.1	.7	.2	.1								416	416	23	6
80/ 79		.1	.6	1.7	1.7	1.7	.7	.8	.3	.1								525	525	56	20
78/ 77		.3	1.0	2.6	1.8	1.0	1.0	.5	.3	.0								620	620	161	35
76/ 75	.1	1.3	3.1	3.1	2.0	1.2	.7	.5	.1	.0								869	869	395	111
74/ 73	.3	2.5	3.7	3.1	1.3	1.0	1.0	.3	.1									906	966	850	308
72/ 71	.2	2.9	3.8	1.6	1.3	.8	.4	.2	.1	.0								819	819	1049	574
70/ 69	.3	2.6	2.9	1.4	1.2	.6	.1	.1	.1	.0								619	619	1076	1091
68/ 67	.1	1.9	2.5	1.1	.7	.4	.3	.1	.1	.0								514	514	939	958
66/ 65	.2	1.5	1.6	.9	.5	.2	.1	.0										344	344	737	850
64/ 63	.1	.9	.7	.4	.3	.1	.1											184	184	653	717
62/ 61	.1	.7	.4	.1	.4	.1	.0											128	128	511	590
60/ 59	.0	1.1	.2	.3	.1	.1												137	137	273	537
58/ 57	.0	.3	.1	.2	.1													48	48	199	391
56/ 55		.1	.1	.0	.0													12	12	98	378
54/ 53		.0	.1	.0														8	8	82	197
52/ 51		.0	.0	.0														5	5	41	115
50/ 49		.0	.0															5	5	20	85
48/ 47		.1	.0															6	6	9	94
46/ 45		.1																4	4	9	52
44/ 43		.1																4	4	4	33
42/ 41																				2	26
40/ 39																					15
38/ 37																					3
36/ 35																					2
34/ 33																					1
32/ 31																					2

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION — LANGLEY AFB, VA. STATION NAME — 72-76, 73-76 YEARS — JUN MONTH

PAGE 2 — ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATU. 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	DEPRESSION (F) 19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	1.4	15.8	20.8	18.0	14.0	11.0	8.7	5.9	2.8	.3	.1						7200	7200	7200	7200

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	39038488	518800	72.1	5.167	7200							
Dry Bulb	40139580	535124	74.3	7.147	7200			631.5	436.3	163.1	2.3	720
Wet Bulb	33344724	488260	67.8	5.700	7200			456.2	149.8	5.5		720
Dew Point	29959039	461799	64.1	6.860	7200		.2	311.0	48.7	1.7		720

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB,VA — STATION NAME
7-7[illegible]73-78 — YEARS
JUL — MONTH

PAGE 1
0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
86/ 85					.2													2	2		
84/ 83			.1	.2	1.1	.1												14	14		
82/ 81		.3	.5	1.2	1.3	.1	.1											33	33		
80/ 79		1.3	.9	4.2	.9	.2												66	66	6	5
78/ 77	.2	1.6	4.8	3.3	2.4	.6	.2											123	123	21	11
76/ 75	1.1	4.2	7.2	6.2	1.3	.1		.1										188	188	61	34
74/ 73	2.2	5.3	7.8	3.7	1.0	.5												190	190	198	87
72/ 71	.4	4.7	4.3	2.4	.9	.2												120	120	186	184
70/ 69	.4	2.9	3.2	1.7	1.7	.4	.1											98	98	169	179
68/ 67		2.2	1.5	1.0	.3	.1												47	47	98	124
66/ 65		1.3	.8	.9	.2													29	29	83	113
64/ 63		.4	.4	.1	.1													10	10	46	57
62/ 61			.2	.4														6	6	36	42
60/ 59			.3	.1														4	4	14	32
58/ 57																				7	24
56/ 55																				4	21
54/ 53																				1	12
52/ 51																					3
50/ 49																					2
TOTAL	4.3	23.9	32.2	25.4	11.3	2.5	.4	.1											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6331206	76164	81.9	10.039	930							
Dry Bulb	5068849	68681	73.9	4.242	930			88.1	51.6	7.5		93
Wet Bulb	4563593	65025	69.9	4.289	930			73.9	28.6	.1		93
Dew Point	4308886	63122	67.9	5.146	930			62.4	13.7			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1973 O-[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | JUL MONTH

 0300-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83						.1												1	1		
82/ 81				.2	.4	.1		.1										8	8		
80/ 79		1.1	.8	2.4	.4		.1											44	44		
78/ 77	.3	1.1	3.4	3.4	.8	.2	.1											87	87	14	11
76/ 75	1.3	4.5	9.2	4.3	1.2		.2											190	190	34	27
74/ 73	1.0	7.4	8.5	3.3	.4		.2	.1										201	201	171	62
72/ 71	.9	5.7	5.6	1.0	.9	.2	.2											134	134	211	182
70/ 69	.0	4.4	4.3	1.0	1.0													106	106	168	196
68/ 67	.4	3.8	1.0	.8		.1												62	62	123	125
66/ 65	.2	2.2	1.9	1.0	.4													53	53	73	117
64/ 63		.6	.9	.8														21	21	30	68
62/ 61		.6	.4	.2														12	12	37	29
60/ 59		.2	.2	.2														6	6	29	42
58/ 57		.1	.1	.1														3	3	10	29
56/ 55		.2																2	2	5	18
54/ 53																				4	14
52/ 51																				1	6
50/ 49																					3
48/ 47																					1
TOTAL	5.2	31.9	37.0	16.6	5.0	.8	.9	.2										930	930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	6695225	78403	84.3	9.594	930							
Dry Bulb	4907603	67437	72.5	4.346	930			83.3	53.1	3.0		93
Wet Bulb	4472078	64360	69.2	4.413	930			72.1	21.9			93
Dew Point	4254077	62713	67.4	5.201	930			60.3	10.0			93

FORM 0-26 5 (OL A) 201 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE: 1970 O-420-210

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | JUL MONTH

PAGE 1 | 0600-0900 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87						.2	.1											3	3		
86/ 85					.1		.1											2	2		
84/ 83			.1	.3	1.0	.3												16	16		
82/ 81		.2	1.1	1.9	1.4	.4	.1		.1									49	49		
80/ 79		1.0	2.7	4.0	2.4	.5	.1											105	105	5	2
78/ 77	.4	2.0	5.9	5.4	2.2	.8	.4	.1										160	160	36	17
76/ 75	1.3	4.7	7.8	4.5	1.8	1.3	.4	.1	.1									206	206	99	56
74/ 73	.9	5.3	5.5	3.9	1.1	.2	.2	.3										163	163	208	113
72/ 71	.3	3.0	5.2	1.0	1.0	.9	.4											109	109	194	173
70/ 69	.3	2.7	2.0	.5	.3	.3	.1											65	65	127	178
68/ 67	.1	.0	1.0	.3	.2	.2	.1											24	24	117	118
66/ 65	.1	.5	.6	.8	.2													21	21	57	97
64/ 63		.1	.1															2	2	40	55
62/ 61		.1	.1	.2														4	4	22	35
60/ 59																				17	29
58/ 57		.1																1	1	6	20
56/ 55																				2	14
54/ 53																					9
52/ 51																					10
50/ 49																					4
TOTAL	3.4	20.6	42.7	23.5	11.6	5.2	2.2	.5	.2									930		930	930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6074473	74579	80.2	1.068	93							
Dry Bulb	5249386	69768	75.0	4.076	93			93.2	70.4	12.1		93
Wet Bulb	4653319	65569	70.6	4.190	93			73.6	34.8	.1		93
Dew Point	4308653	63549	68.3	5.311	93			65.7	18.8	.1		93

USAFETAC FORM 0-26-5 (OL A) 70 6-4 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-76 (YEARS) JUL (MONTH)

 0900-1100 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95									.1									1	1		
94/ 93									.1									1	1		
92/ 91					.2		.3	.3	.3									11	11		
90/ 89					.1	.9	1.1	.9	.3									30	30		
88/ 87				.8	.4	2.5	2.0	.4	.1	.1								59	59		
86/ 85			.4	1.1	2.2	3.8	1.2	.6	.3									89	89		
84/ 83			.6	1.5	4.3	3.0	1.4	.4	.6	.1								112	112	4	
82/ 81		.1	1.9	4.0	3.5	2.6	2.0	.9	.3	.1								144	144	12	4
80/ 79	.1	.1	2.0	4.9	3.8	3.3	1.2	.9	.6	.3	.1							162	162	49	13
78/ 77		1.2	2.6	3.7	2.3	1.0	1.6	.4	.3	.1								122	122	104	24
76/ 75	.2	.6	1.8	1.9	1.6	1.2	1.2	.5	.3									88	88	170	84
74/ 73	.1	1.0	2.3	1.1	.6	1.2	.4	.3										66	66	189	115
72/ 71	.1	.6	1.0	.4	.1	.1	.5											27	27	117	172
70/ 69		.5	.9		.1	.1												15	15	102	148
68/ 67			.1		.1													2	2	78	92
66/ 65				.1														1	1	50	81
64/ 63																				30	51
62/ 61																				15	39
60/ 59																				10	26
58/ 57																					35
56/ 55																					15
54/ 53																					15
52/ 51																					7
50/ 49																					7
48/ 47																					1
46/ 45																					1
TOTAL	.5	4.2	13.7	19.5	19.5	19.6	13.0	5.7	3.5	.8	.1							930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4407963	63387	68.2	12.606	930							
Dry Bulb	0031847	74765	80.4	4.789	930			92.9	88.5	52.6	.2	93
Wet Bulb	4905016	67408	72.5	4.542	930			82.5	52.8	2.8		93
Dew Point	4406277	63761	68.6	6.121	930			65.2	24.0	1.0		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1974 O-552-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | JUL MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
98/ 97										.2	.1							3	3		
96/ 95								.2	.3	.2	.4							11	11		
94/ 93					.1	.4	.3	.9	1.3	.4								32	32		
92/ 91					.1	.5	1.9	2.3	1.1	.4	.1							60	60		
90/ 89				.1	.3	1.1	2.2	2.4	1.1	.6	.2	.2						76	76		
88/ 87				.3	1.3	2.0	3.2	1.9	.6	.1	.1							90	90		
86/ 85			.1	.6	3.0	4.5	1.3	1.2	1.1	.4	.2							116	116	1	
84/ 83			.3	1.8	3.0	3.1	1.3	1.8	.5	1.1	.4		.2					127	127	9	
82/ 81		.2	1.5	1.8	2.6	2.3	1.8	1.5	.4	.6	.1	.1						123	123	20	5
80/ 79		.4	1.3	2.4	1.0	2.0	1.2	.8	.5	.1								90	90	88	18
78/ 77		.3	.5	1.7	1.9	1.4	1.0	1.3	.4									80	80	140	34
76/ 75	.1	.3	1.0	1.8	1.0	.3	1.0	1.0	.1									67	67	168	80
74/ 73		.8	1.2	.3	.2	.4	.2	.2										31	31	138	131
72/ 71	.1	.2	.8		.1	.2												13	13	96	143
70/ 69		.2	.8															9	9	107	143
68/ 67		.1	.1															2	2	69	90
66/ 65																				34	58
64/ 63																				45	61
62/ 61																				9	49
60/ 59																				6	23
58/ 57																					24
56/ 55																					31
54/ 53																					25
52/ 51																					8
50/ 49																					4
46/ 45																					1
44/ 43																					2
TOTAL	.2	2.6	8.2	11.0	14.8	18.4	15.4	15.4	7.5	4.3	1.7	.3	.2						930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3753512	57706	62.1	13.345	930							
Dry Bulb	6476126	77426	83.3	5.694	930			93.0	90.6	67.5	4.6	93
Wet Bulb	5006889	68089	73.2	4.847	930			83.6	56.4	5.5		93
Dew Point	4390436	63612	68.4	6.510	930			64.4	20.8	.7		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-750-040

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13707 LANGLEY AFB, VA 7-70, 73-78 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97										.1		.1						2	2		
96/ 95						.1	.1	.2	1.0	.6	.1							20	20		
94/ 93							.3	1.1	1.2	.4	.4	.1						33	33		
92/ 91					.1	.2	1.2	2.7	2.0	.2								60	60		
90/ 89					.1	.8	1.2	1.8	1.6	.5	.4							60	60		
88/ 87					.8	1.0	4.0	2.0	.9	.3								89	89		
86/ 85			.1	.6	1.5	4.9	1.2	.6	.5	.5	.5			.1				100	100	1	
84/ 83		.1	.6	2.0	1.8	2.8	1.1	.8	.8	.4	.1	.1	.1					100	100	4	1
82/ 81		.2	.9	2.3	2.5	2.4	2.3	1.5	1.1	.5	.1							127	127	16	
80/ 79		.1	1.3	1.9	2.8	2.5	1.2	1.0	.4									104	104	71	10
78/ 77	.2	.6	.5	2.4	1.9	1.4	1.0	.4	.6									85	85	128	31
76/ 75	.1	.5	2.2	2.6	.4	.3	.9	1.0	.5									79	79	177	75
74/ 73	.2	.3	1.8	1.4	.2	.2	.2	.1										42	42	140	100
72/ 71		.5	.5	.3	.2	.3												18	18	125	153
70/ 69		.5	.3															8	8	106	167
68/ 67		.1																1	1	70	114
66/ 65	.2																	2	2	42	69
64/ 63																				26	55
62/ 61																				17	34
60/ 59																				7	37
58/ 57																					23
56/ 55																					26
54/ 53																					20
52/ 51																					7
50/ 49																					3
48/ 47																					1
46/ 45																					2
42/ 41																					2
TOTAL	.8	3.1	8.3	13.5	12.4	17.5	14.5	13.2	10.0	3.8	1.7	.3	.1	.1				930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3830691	58253	62.6	13.991	930							
Dry Bulb	6416052	77046	82.8	5.975	930			92.8	90.1	65.5	5.5	93
Wet Bulb	4970269	67851	73.0	4.639	930			83.8	53.7	5.3		93
Dew Point	4360239	63415	68.2	6.232	930			65.1	21.7	.5		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970-729-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | JUL MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93							.1	.1										2	2		
92/ 91							.6	.3	.1	.3								13	13		
90/ 89				.1	.3	.2	1.2	1.0	.4		.1							31	31		
88/ 87				.1	.3	1.7	2.4	.9	.3									53	53		
86/ 85				.2	1.1	3.3	1.2	1.2	.1	.1								67	67		
84/ 83			.2	.9	2.6	2.5	1.2	.3	.1	.1	.1							74	74	3	
82/ 81		.8	.9	2.7	3.1	1.9	1.0	.8	.3	.2								108	108	4	2
80/ 79	.1	.9	2.0	3.7	2.4	3.0	.8	.4	.3	.3								129	129	35	8
78/ 77		1.1	3.1	3.5	3.2	1.6	1.1	.5										132	132	84	22
76/ 75	.4	2.4	4.3	4.2	2.0	1.3	1.0	.5		.1								157	157	148	59
74/ 73	.3	1.0	3.2	1.5	.3	.8	1.2	.2										79	79	160	116
72/ 71	.4	1.7	1.8	.5	.6	1.2	.2											61	61	149	149
70/ 69		.5	.6	.2	.4	.2	.1											20	20	134	156
68/ 67		.2			.1													3	3	79	133
66/ 65		.1																1	1	41	84
64/ 63																				38	59
62/ 61																				30	29
60/ 59																				5	28
58/ 57																					25
56/ 55																					32
54/ 53																					17
52/ 51																					8
50/ 49																					1
48/ 47																					2
TOTAL	1.1	8.6	16.2	17.6	16.6	17.7	12.0	6.2	1.7	1.2	.2							930	930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	< 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4721558	65036	69.9	3.667	930							
Dry Bulb	5863020	73684	79.2	5.191	930			92.9	84.5	41.6	.2	93
Wet Bulb	4817633	66809	71.8	4.430	930			81.6	45.4	1.8		93
Dew Point	4346500	63344	68.1	5.871	930			64.5	20.7	.5		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | JUL MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89					.1			.1										2	2		
88/ 87					.2	.1	.1											4	4		
86/ 85				.3	.8	1.2	.2											23	23		
84/ 83			.3	.4	1.7	.6	.1											30	30	1	
82/ 81		.3	.6	2.7	3.1	1.4	.2	.2										80	80		
80/ 79		1.1	2.7	4.2	2.7	1.3	.4	.1										116	116	18	7
78/ 77		2.0	4.2	4.3	1.6	.9	.2											123	123	31	14
76/ 75	.5	4.2	6.9	4.6	2.4	1.4	.5											191	191	120	46
74/ 73	.6	4.2	6.1	4.1	2.5	1.5	.1											178	178	198	123
72/ 71	.4	3.4	3.4	1.2	1.6	.5												99	99	190	171
70/ 69	.1	.8	1.3	1.0	1.8	.5												51	51	119	181
68/ 67		1.2	.2	.6	.4	.1												24	24	103	102
66/ 65		.2	.1	.2	.1													6	6	74	95
64/ 63			.2															2	2	38	45
62/ 61				.1														1	1	30	44
60/ 59																				5	46
58/ 57																				2	31
56/ 55																				1	19
54/ 53																					3
50/ 49																					3
TOTAL	1.7	17.4	26.1	23.8	19.0	9.6	1.9	.4										930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5731939	72275	77.7	11.130	930							
Dry Bulb	5379611	70621	75.9	4.265	930			92.1	74.7	19.8		93
Wet Bulb	4690479	65933	70.9	4.165	930			78.0	36.8	.4		93
Dew Point	4302488	63508	68.3	5.254	930			64.4	19.0	.1		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974 703-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | JUL MONTH

ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
98/ 97										.0	.0	.0							5	5		
96/ 95						.0	.0	.1	.2	.1	.1								32	32		
94/ 93					.0	.1	.1	.3	.3	.1	.1	.0							68	68		
92/ 91					.1	.1	.5	.7	.4	.1	.0								144	144		
90/ 89				.0	.1	.4	.7	.8	.4	.1	.1	.0							199	199		
88/ 87				.1	.4	1.0	1.5	.7	.2	.1	.0								298	298		
86/ 85			.1	.4	1.1	2.2	.6	.3	.3	.1	.1			.0					399	399	2	
84/ 83		.0	.3	.9	1.9	1.6	.6	.4	.3	.2	.1	.0	.0						474	474	21	1
82/ 81		.3	.9	2.1	2.3	1.4	.9	.6	.3	.2	.0	.0							672	672	52	11
80/	.0	.7	1.7	3.5	2.0	1.6	.6	.4	.2	.1	.0								816	816	272	63
78/ 77	.1	1.2	3.1	3.5	2.0	1.0	.7	.3	.2	.0									912	912	558	164
76/ 75	.0	2.7	5.1	3.8	1.5	.7	.7	.4	.1	.0									1166	1166	977	461
74/ 73	.7	3.2	4.0	2.4	.8	.6	.3	.2											950	950	1422	847
72/ 71	.3	2.5	2.8	.8	.7	.5	.2												581	581	1268	1327
70/ 69	.2	1.6	1.7	.6	.7	.2	.0												372	372	1032	1348
68/ 67	.1	1.0	.6	.3	.1	.1	.0												165	165	737	698
66/ 65	.1	.5	.4	.4	.1														113	113	454	714
64/ 63		.1	.2	.1	.0														35	35	313	451
62/ 61		.1	.1	.1															23	23	196	301
60/ 59		.0	.1	.0															10	10	93	263
58/ 57		.0	.0	.0															4	4	25	211
56/ 55		.0																	2	2	12	176
54/ 53																					5	115
52/ 51																					1	49
50/ 49																						27
48/ 47																						5
46/ 45																						4
44/ 43																						2
42/ 41																						2
TOTAL	2.2	14.0	31.8	19.1	13.8	11.4	7.6	3.2	3.0	1.2	.5	.1	.0	.0						7440		7440
																			7440		7440	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	41626567	545863	73.4	14.561	7440							
Dry Bulb	45412494	579428	77.9	6.207	7440			725.3	613.5	269.6	10.5	744
Wet Bulb	38079276	531144	71.4	4.648	7440			634.1	330.4	16.0		744
Dew Point	34797556	507024	68.1	5.735	7440			512.0	154.7	2.9		744

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-636-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | AUG MONTH

 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85					.2													2	2		
84/ 83				.9	.5	.6												20	20		
82/ 81			2.2	2.0	1.9	.1												58	58		
80/ 79		.2	3.9	4.2	1.5	.1												92	92	1	
78/ 77		3.1	6.9	3.2	1.5													137	137	38	6
76/ 75	.6	7.2	6.5	3.8	1.2	.4	.1											184	184	121	66
74/ 73	.5	6.3	4.0	2.7	1.3	.2	.2	.1										143	143	230	150
72/ 71	.3	4.2	4.3	1.0	1.2	.1	.1	.2	.1									107	107	148	186
70/ 69	.2	2.8	1.9	2.0	.8	.6	.2											80	80	114	145
68/ 67	.1	1.4	1.5	1.6	.3	.1												47	47	91	94
66/ 65	.1	1.5	.6	.1														22	22	63	72
64/ 63		1.0	.4	.2														15	15	43	63
62/ 61		.8	.1	.2														10	10	43	38
60/ 59		.4	.3	.1														8	8	20	47
58/ 57		.1	.3	.1														5	5	11	21
56/ 55																				4	20
54/ 53																				2	7
52/ 51																				1	8
50/ 49																					3
48/ 47																					3
46/ 45																					1
TOTAL	1.9	29.0	32.9	22.2	10.4	2.5	.6	.3	.1										930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	< 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6352284	76284	82.0	10.114	930							
Dry Bulb	5147624	69042	74.2	4.870	930			87.0	63.6	11.6		93
Wet Bulb	4621882	65412	70.3	4.765	930			74.3	39.0			93
Dew Point	4306564	63510	68.3	5.630	930			64.7	22.2			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970-762-510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | AUG MONTH

0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83					.4	.1												5	5		
82/ 81			.5	.8	.3	.1												16	16		
80/ 79		.2	4.0	4.7	.8	.1												91	91		
78/ 77		2.0	5.3	3.2	1.4													111	111	17	1
76/ 75	.4	8.3	6.0	3.0	1.3	.1												178	178	82	47
74/ 73	1.0	9.2	4.6	2.4	1.2	.4												175	175	232	128
72/ 71	.9	5.8	3.3	1.0	.5		.1											108	108	162	204
70/ 69	.4	3.8	1.8	1.4	.9	1.1	.3	.2										92	92	129	143
68/ 67	.2	2.8	1.2	1.1	.1	.2												52	52	87	113
66/ 65	.3	2.4	1.4	.6														44	44	66	75
64/ 63		1.5	.4	.1														19	19	59	60
62/ 61	.1	1.7	.2															19	19	43	48
60/ 59		.4	.3															7	7	25	47
58/ 57		.6	.2															8	8	15	21
56/ 55		.2	.3															5	5	6	17
54/ 53																				7	7
52/ 51																					12
50/ 49																					5
46/ 45																					2
TOTAL	3.3	39.0	29.7	18.3	6.9	2.2	.4	.2											930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6695766	78378	84.3	9.857	930							
Dry Bulb	4977653	67881	73.0	4.975	930			82.8	57.6	4.8		93
Wet Bulb	4533734	64776	69.7	4.864	930			70.9	33.1			93
Dew Point	4314874	63134	67.9	5.583	930			63.6	17.6			93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1975-676-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13707 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | AUG MONTH

0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
88/ 87						.1												1	1		
86/ 85					.8	.3												10	10		
84/ 83			.4	1.1	1.0	.2												25	25		
82/ 81			1.0	1.7	1.4	.1	.1	.1										47	47		
80/ 79		.8	4.7	4.8	2.3	.3	.1											121	121	5	
78/ 77		4.1	6.6	3.8	1.5	.2	.1											146	146	48	14
76/ 75	.6	5.6	5.6	4.8	1.7	.6	.2											179	179	134	84
74/ 73	.4	6.3	4.7	2.7	.5	.5	.3	.2										147	147	204	132
72/ 71	.2	4.3	3.3	.6	.6	.3	.6	.1										95	95	174	180
70/ 69	.1	2.6	2.6	.8	.6	.2	.3											67	67	112	154
68/ 67	.1	1.9	.9	.8	.5	.1												40	40	95	118
66/ 65		1.5	.5	.3	.1													23	23	51	66
64/ 63	.1	1.0	.1		.2													13	13	40	54
62/ 61		.6	.3	.1														10	10	31	39
60/ 59		.2																2	2	22	31
58/ 57		.2	.1															3	3	10	16
56/ 55			.1															1	1	2	17
54/ 53																				2	8
52/ 51																					12
50/ 49																					4
48/ 47																					1
TOTAL	1.0	29.1	31.1	21.5	11.3	3.1	1.5	.4											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6290916	75850	81.6	10.614	930							
Dry Bulb	5222172	69546	74.8	4.808	930			87.8	67.6	13.4		93
Wet Bulb	4671342	65770	70.7	4.047	930			77.2	39.1	.4		93
Dew Point	4408917	63825	68.6	5.555	930			68.2	23.0			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-759-702/5070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | AUG MONTH

0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93							.1	.2	.2									5	5		
92/ 91						.1	.3	.9	.2									14	14		
90/ 89				.1	.3	1.0	2.6	1.0	.1									47	47		
88/ 87			.1		1.0	1.9	2.6	.4	.1									57	57		
86/ 85				1.4	3.1	3.5	1.1	.4	.1									90	90		
84/ 83		.1	.5	2.8	4.8	2.7	.8	1.1										119	119	2	1
82/ 81			2.5	4.4	4.2	2.7	1.9	.3	.1									150	150	8	2
80/ 79		.3	2.4	3.6	2.9	2.3	.6	.8										138	138	64	2
78/ 77		1.1	1.6	3.5	2.7	2.2	.5	.2	.1									111	111	147	43
76/ 75		.6	2.0	2.9	.9	1.1	.3	1.2	.3	.1								88	88	185	104
74/ 73		1.0	1.2	1.3	1.1	.3	.9	.3	.1									57	57	163	156
72/ 71	.1	.2	.5	.5	1.1	.8		.2										32	32	123	169
70/ 69		.2	.3	.5	.3	.1												14	14	83	132
68/ 67			.8		.1													8	8	51	87
66/ 65																				38	55
64/ 63																				33	53
62/ 61																				24	41
60/ 59																				6	25
58/ 57																				3	19
56/ 55																					15
54/ 53																					14
52/ 51																					3
50/ 49																					5
48/ 47																					3
44/ 43																					1
TOTAL	.1	3.5	11.9	23.1	22.5	18.6	11.7	7.0	1.4	.1								930		930	
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4538192	64124	69.0	11.213	930							
Dry Bulb	6077358	75030	80.7	5.097	930			93.0	87.6	56.9	.5	93
Wet Bulb	4972432	67864	73.0	4.670	930			82.6	56.9	2.8		93
Dew Point	4495290	64424	69.3	5.909	930			69.6	30.8	.3		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970-0-410

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | AUG MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99												.1						1	1		
98/ 97										.2	.1							3	3		
96/ 95								.2	.4	1.1	.6							27	22		
94/ 93							.1	1.2	1.8	.2	.1	.1						33	33		
92/ 91					.1	.3	2.9	1.7	2.3	.1	.1							70	70		
90/ 89						1.8	3.0	3.0	1.3	.2	.1							88	88		
88/ 87					.6	3.5	3.5	2.5	.8	.1	.2							105	105		
86/ 85				1.2	2.3	4.1	1.8	.8	1.1	.1	.1							106	106		
84/ 83			.3	2.3	3.5	2.8	2.9	1.7	.9	.2								136	136	1	
82/ 81		.1	.8	1.9	1.8	1.5	1.8	.6	.4									84	84	15	
80/ 79		.3	.3	1.8	2.3	3.2	.8	.5										86	86	114	4
78/ 77		.1	1.3	1.2	2.0	1.1	1.0	1.4	.3	.5	.1							84	84	170	40
76/ 75		.4	.6	1.2	1.3	.4	.9	1.0	.1									55	55	166	91
74/ 73		.6	.4		.4	.9	.4	.1	.2									29	29	135	145
72/ 71		.3	.4	.4	.5													16	16	105	158
70/ 69		.2	.3	.3		.1												9	9	80	116
68/ 67			.1	.2														3	3	52	105
66/ 65																				31	74
64/ 63																				43	53
62/ 61																				10	43
60/ 59																				3	28
58/ 57																					29
56/ 55																					19
54/ 53																					14
52/ 51																					1
50/ 49																					4
48/ 47																					5
46/ 45																					1
TOTAL		2.2	4.6	10.5	14.9	19.8	19.1	14.7	9.6	.8	1.5	.2						930	930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	3642194	57160	61.5	11.784	930							
Dry Bulb	6561677	77923	83.8	5.928	930			93.0	90.2	69.7	5.9	93
Wet Bulb	5052159	68403	73.6	4.755	930			83.8	60.1	4.9		93
Dew Point	4428839	63933	68.7	6.028	930			65.9	28.0	.1		93

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GOVERNMENT PRINTING OFFICE: 1970-762-040

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | AUG MONTH

1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31		Dry Bulb	Wet Bulb	Dew Point
98/ 97										.1	.2	.1						4	4		
96/ 95								.1	.1	.5	.4							11	11		
94/ 93						.2	.3	.8	1.4	.4		.1						30	30		
92/ 91						.2	1.3	2.0	1.5	.9	.2							57	57		
90/ 89					.1	.6	3.8	2.2	1.0	.5	.3							79	79		
88/ 87					.3	2.3	3.7	2.0	.1	.1								84	84		
86/ 85				1.1	1.8	3.1	2.8	1.4	.6	.4								105	105		
84/ 83			.4	2.3	3.0	2.0	1.7	1.2	1.4	.4								116	116	2	
82/ 81		1.0	3.0	2.6	1.2	1.4	1.0	.3										99	99	9	
80/ 79	.4	1.6	2.3	2.3	2.8	.9	.3											98	98	67	3
78/ 77	.4	.6	2.3	2.7	1.4	1.2	1.0	.5										94	94	161	25
76/ 75	1.1	.8	1.6	1.1	1.2	1.1	.6	.3	.1									74	74	170	79
74/ 73	1.0	.6		.4	1.6	.2	.2	.1										39	39	168	137
72/ 71	1.0	.6		.5	.3	.1	.1											25	25	92	156
70/ 69	.4	.4	.2	.1														12	12	102	147
68/ 67	.1		.2															2	2	63	92
66/ 65		.1																1	1	37	80
64/ 63																				38	51
62/ 61																				13	44
60/ 59																				7	48
58/ 57																				1	28
56/ 55																					15
54/ 53																					10
52/ 51																					4
50/ 49																					7
48/ 47																					3
TOTAL		4.4	6.2	12.9	15.2	17.0	18.4	13.5	7.4	3.5	1.2	.2							930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3831833	58477	62.9	12.912	930							
Dry Bulb	6406611	76987	82.8	6.005	930			92.9	89.0	64.0	4.5	93
Wet Bulb	4978720	67910	73.0	4.620	930			83.4	57.7	2.7		93
Dew Point	4381118	63594	68.4	5.916	930			63.9	24.4	.1		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 72-70, 73-78 YEARS | AUG MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93								.1	.1	.3								5	5		
92/ 91						.1	.2	.2	.2									7	7		
90/ 89						.4	.5	1.2	.5	.1								26	26		
88/ 87					.2	1.3	1.4	1.1		.1								38	38		
86/ 85				.4	1.4	3.1	1.5	.4	.1									65	65		
84/ 83			.1	2.0	4.2	2.0	1.6	.1	.4									98	98		
82/ 81			1.4	3.4	3.7	1.3	1.3	.6	.2									111	111	2	
80/ 79		.5	3.2	3.7	3.1	2.3	1.0	.5										133	133	21	
78/ 77	.1	1.4	3.2	4.4	3.2	1.0	.9	.1										133	133	94	18
76/ 75	.3	2.2	3.3	2.6	3.3	.9	.4	.4										125	125	175	75
74/ 73	.1	1.3	1.5	2.2	1.0	1.2	.4	.2										75	75	199	125
72/ 71		1.8	1.8	.5	1.3	1.0	.4	.2										66	66	129	171
70/ 69		.8	.5	1.1	.8	.3	.2											34	34	103	153
68/ 67			.5	.4	.2													11	11	86	95
66/ 65				.1		.2												3	3	38	92
64/ 63																				46	50
62/ 61																				25	48
60/ 59																				6	40
58/ 57																				4	24
56/ 55																				2	19
54/ 53																					8
52/ 51																					3
50/ 49																					3
48/ 47																					0
TOTAL	.5	8.2	15.7	20.9	22.4	15.1	9.9	5.3	1.6	.5								930	930		930
																				930	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	> 93 F	Total
Rel. Hum.	4787767	65735	70.7	12.339	930							
Dry Bulb	5826530	73410	78.9	5.278	930			92.7	81.6	41.1	.5	93
Wet Bulb	4816946	66800	71.8	4.503	930			80.9	49.1	.6		93
Dew Point	4365756	63498	68.3	5.709	930			63.7	21.8			93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1970 O-407-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-70,73-78 (YEARS) AUG (MONTH)

PAGE 1 2100-2300 (HOURS (L. S. T.))

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
90/ 89							.1	.1										2	2		
88/ 87						.1	.5											6	6		
86/ 85				.4	.5	1.1	.2											21	21		
84/ 83			.2	1.4	1.8	1.3	.1											45	45		
82/ 81			1.4	4.4	3.4	1.0												95	95		
80/ 79		.5	5.2	4.9	1.4	.6	.1	.1										120	120	10	
78/ 77	.1	2.3	6.7	4.6	2.2	.6	.5		.1									159	159	54	15
76/ 75	.4	4.3	5.6	3.5	2.8	.8	.1	.1										164	164	163	68
74/ 73	.1	3.5	3.2	4.3	1.1	.5		.1										120	120	206	144
72/ 71	.3	2.2	3.4	1.3	1.3	.3	.1	.1										84	84	143	189
70/ 69	.1	.9	.9	2.2	1.1	.5	.3											55	55	106	147
68/ 67		.6	1.5	1.4		.3												36	36	100	92
66/ 65		.1	.5	.1		.1												8	8	45	74
64/ 63		.4	.2	.4														10	10	48	59
62/ 61			.2	.1	.1													4	4	31	53
60/ 59					.1													1	1	10	33
58/ 57																				8	25
56/ 55																				2	10
54/ 53																				2	7
52/ 51																					6
50/ 49																					4
48/ 47																					3
46/ 45																					1
TOTAL	1.1	14.8	29.0	29.1	15.8	7.3	2.2	.5	.1										930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5713130	72240	77.7	10.464	930							
Dry Bulb	5410173	70795	76.1	4.754	930			90.7	73.2	23.2		93
Wet Bulb	4717163	66097	71.1	4.583	930			78.4	43.3	.1		93
Dew Point	4392280	63704	68.5	5.551	930			65.5	22.7			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-760-760

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | AUG MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
100/ 99												.0						1	1		
98/ 97										.0	.0	.0						7	7		
96/ 95								.0	.1	.2	.1							33	33		
94/ 93						.0	.1	.3	.4	.1	.0	.0						73	73		
92/ 91					.0	.1	.6	.6	.5	.1	.0							148	148		
90/ 89				.0	.1	.5	1.2	.9	.4	.1	.1							242	242		
88/ 87			.0		.3	1.2	1.5	.8	.1	.0	.0							291	291		
86/ 85				.6	1.3	1.9	.9	.4	.2	.1	.0							399	399		
84/ 83		.0	.3	1.6	2.4	1.5	.9	.5	.3	.1								564	564	5	1
82/ 81		.0	1.4	2.7	2.4	1.0	.8	.3	.1									660	660	34	2
80/ 79		.4	3.2	4.0	2.1	1.5	.4	.3										879	879	282	9
78/ 77	.0	1.8	4.0	3.3	2.2	.8	.5	.3	.1	.1	.0							975	975	729	162
76/ 75	.3	3.7	3.8	2.9	1.7	.7	.4	.4	.1	.0								1047	1047	1196	614
74/ 73	.3	3.7	2.5	1.9	.9	.7	.3	.2	.1									785	785	1537	1117
72/ 71	.2	2.5	2.2	.7	.9	.3	.2	.1	.0									533	533	1076	1413
70/ 69	.1	1.5	1.1	1.1	.6	.4	.2	.0										363	363	831	1137
68/ 67	.1	.9	.8	.7	.2	.1												199	199	625	796
66/ 65	.1	.7	.4	.2	.0	.0												101	101	369	588
64/ 63	.0	.5	.1	.1	.0													57	57	350	443
62/ 61	.0	.4	.1	.1	.0													43	43	220	354
60/ 59		.1	.1	.0	.0													18	18	104	299
58/ 57		.1	.1	.0														16	16	52	183
56/ 55		.0	.1															6	6	16	133
54/ 53																				13	75
52/ 51																				1	49
50/ 49																					35
48/ 47																					24
46/ 45																					5
44/ 43																					1
TOTAL	1.1	16.3	20.1	19.8	14.9	10.7	8.0	5.3	2.5	.9	.3	.1							7440		7440
																		7440		7440	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	41852082	548248	73.7	13.971	7440							
Dry Bulb	45623798	580614	78.0	6.486	7440			719.9	610.4	284.7	11.4	744
Wet Bulb	38364378	533032	71.6	4.861	7440			631.5	378.3	11.5		744
Dew Point	35153638	509622	68.5	5.748	7440			525.1	190.5	.5		744

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974 720-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 73-78 YEARS | SEP MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81				.1														1	1		
80/ 79			.4	1.1	.1													15	15		
78/ 77		.1	2.2	1.6	.1													36	36		
76/ 75		2.2	4.4	2.3	.7	.7	.2											95	95	10	
74/ 73	.1	2.8	5.7	2.7	.9	.2												111	111	62	32
72/ 71	.7	3.3	3.6	1.7	.4	.3												90	90	106	72
70/ 69	.6	3.6	7.2	2.4	.9	.3	.2											137	137	103	100
68/ 67	.1	1.9	3.0	1.4	1.7	.2												75	75	87	89
66/ 65		2.4	4.2	2.2	.6	.3												88	88	108	72
64/ 63		2.4	1.9	1.7	.2	.2												58	58	86	103
62/ 61	.2	1.6	1.1	1.8	.3	.3	.3	.3										56	56	86	72
60/ 59	.3	2.0	1.2	.8	.4													43	43	70	77
58/ 57	.2	1.7	2.1	.7	.1													43	43	47	71
56/ 55		.8	.7	.8	.2	.2												24	24	42	51
54/ 53		1.0	.6	.1														15	15	41	34
52/ 51			.3															3	3	21	44
50/ 49		.2	.1															3	3	15	33
48/ 47		.3																3	3	8	15
46/ 45		.2																2	2	5	12
44/ 43		.2																2	2	3	8
42/ 41																					6
40/ 39																					4
38/ 37																					2
36/ 35																					3
TOTAL	2.2	27.0	38.8	21.3	6.7	2.9	.8	.3										900	900		900
																				900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6007567	72911	81.0	10.593	900							
Dry Bulb	4187912	61104	67.9	6.617	900			56.0	25.8	.5		90
Wet Bulb	3742566	57720	64.1	6.736	900			36.8	7.2			90
Dew Point	3481696	55544	61.7	7.734	900			29.3	3.2			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | SEP MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79				.3	.1													4	4		
78/ 77			1.0	.8														16	16		
76/ 75		1.1	4.4	1.6	.4	.2												70	70		
74/ 73	.6	4.2	5.3	2.9	.1	.1	.2											121	122	51	17
72/ 71		3.7	3.8	1.2	.4	.3	.1											86	86	100	62
70/ 69	.3	3.4	6.0	2.2	.7	.4	.2	.2										127	127	78	93
68/ 67	.7	3.2	4.1	2.1	.8	.4	.1											103	103	107	95
66/ 65	.7	3.3	2.1	1.7	.2													72	72	109	87
64/ 63	.2	2.4	1.9	1.4														54	54	90	97
62/ 61	.3	3.6	1.4	1.3	.2	.1	.2											65	65	68	68
60/ 59	.2	3.3	.9	.9	.2	.3	.2											55	55	90	82
58/ 57	.3	2.6	1.7	.9		.2												51	51	54	72
56/ 55	.2	1.3	1.2	.3	.6													33	33	44	59
54/ 53	.1	.9	.6	.4	.1													19	19	40	38
52/ 51		.1	.2	.1														4	4	25	31
50/ 49		.6	.3															8	8	12	28
48/ 47		.7																6	6	19	24
46/ 45		.6																5	5	7	16
44/ 43																				5	8
42/ 41																					11
40/ 39																					7
38/ 37																					4
TOTAL	3.7	35.0	35.0	18.2	3.9	2.2	1.1	.2										899	900	899	899

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6280001	74499	82.9	10.883	899							
Dry Bulb	4045689	60037	66.7	6.733	900			52.8	21.2			90
Wet Bulb	3651182	56964	63.4	6.817	899			33.6	5.1			90
Dew Point	3419989	55007	61.2	7.775	899			26.7	1.7			90

FORM 0-26-5 (OL A) JUL 64 REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
67-70, 73-76 — YEARS
SEP — MONTH
PAGE 1
0600-0600 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81					.1													1	1		
80/ 79			.4	1.0	.1													14	14		
78/ 77		.3	2.5	1.3	.6	.1	.1											44	44		
76/ 75		.8	4.2	3.1	.8	.2	.3											85	85	10	1
74/ 73	.3	3.0	4.8	3.1	.8	.2												110	111	59	25
72/ 71	.3	3.0	4.8	1.7	.6	.1	.3											97	97	93	70
70/ 69	.3	2.9	4.2	2.2	1.7	.7	.3	.1										112	112	117	85
68/ 67	.6	2.9	5.2	1.8	.8	.3	.1											105	105	92	104
66/ 65	.6	4.2	2.5	1.4	.3	.1	.1											83	83	105	94
64/ 63	.7	2.5	1.8	1.6	.1	.2												61	61	109	99
62/ 61	.2	1.9	2.3	.9	.3	.2												53	53	72	89
60/ 59	.4	2.9	1.9	.6	.1	.3	.1											57	57	70	67
58/ 57	.2	1.3	.9	.8	.1	.2												32	32	63	60
56/ 55	.3	.3	.7	.1	.3													16	16	34	67
54/ 53		.2	.7	.3	.2													13	13	25	34
52/ 51		.3	.1	.1														5	5	15	25
50/ 49		.2	.1															3	3	13	21
48/ 47		.6																5	5	13	23
46/ 45		.1																1	1	7	9
44/ 43																					11
42/ 41																					2
40/ 39																					8
38/ 37																					2
36/ 35																					1
TOTAL	4.0	27.5	37.1	20.1	6.9	2.8	1.4	.1										897	898	897	897

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6057255	73037	81.4	1.096	897							
Dry Bulb	4189745	61065	68.0	0.445	898			57.0	25.6	.5		90
Wet Bulb	3744381	57665	64.3	0.452	897			37.2	6.9			90
Dew Point	3491026	55556	61.9	7.481	897			28.6	2.6			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13709 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | SEP MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89							.1	.1	.2									4	4		
88/ 87						.3	.2											5	5		
86/ 85					.4	1.2	.7	.2		.1								24	24		
84/ 83				.8	1.8	1.8	.4	.3	.1									47	47		
82/ 81			.1	1.8	2.7	1.3	.9		.2	.1								64	64		
80/ 79			.9	3.7	2.9	2.1	1.0	.8	.2									104	104		
78/ 77			1.0	2.3	3.8	.9	1.0	.4	.1									86	86	20	1
76/ 75		.2	1.1	3.7	3.9	3.6	1.2	.9										131	131	66	7
74/ 73		.7	1.9	3.7	2.4	1.9	1.3	.4										111	111	99	51
72/ 71		.3	1.1	1.6	2.9	1.0	1.7	.8										84	84	94	82
70/ 69	.3	.8	1.6	1.3	1.2	1.6	.4	.4										69	69	109	85
68/ 67		.9	1.2	1.6	1.6	1.2	.3											61	61	104	94
66/ 65	.2	1.7	.4	1.0	.7	.9	.1											45	45	114	94
64/ 63		.1	.4	1.2	.9	.2	.4											30	30	86	84
62/ 61			.2	.4	.2	.2	.2											12	12	56	71
60/ 59			.1	.9	.4	.2												15	15	62	77
58/ 57			.1		.3	.1												5	5	36	53
56/ 55				.1														1	1	23	41
54/ 53																				15	47
52/ 51																				7	42
50/ 49																				6	26
48/ 47																				1	17
46/ 45																					10
44/ 43																					5
42/ 41																					0
40/ 39																					5
TOTAL	.6	4.7	10.2	24.1	26.2	18.6	10.1	4.3	.9	.2								898	898	898	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4201015	60485	67.4	11.900	898							
Dry Bulb	4991374	66714	74.3	6.253	898			79.2	57.7	19.4		90
Wet Bulb	4050772	60066	66.9	6.069	898			49.3	18.5			90
Dew Point	3555411	56089	62.5	7.021	898			32.1	5.9			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1964-O-702-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-76 YEARS | SEP MONTH

1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
94/ 93									.2	.1								3	3		
92/ 91						.1	.1	.6	.4	.1								17	12		
90/ 89						.1	.7	1.6	1.0	.2		.1						33	33		
88/ 87						.6	2.3	1.4	.7	.1		.2						46	48		
86/ 85				.1	.6	2.7	2.0	1.1	.7	.3	.2							69	69		
84/ 83				.1	1.1	1.6	1.4	.2	.4	.3								47	47		
82/ 81			.1	.7	2.3	2.1	1.9	1.0	.8	.2								82	82	1	
80/ 79			.4	1.9	1.7	1.6	1.4	2.0	1.1	.1								92	92	4	1
78/ 77			.6	1.3	2.3	2.1	2.8	.7	.6									93	93	39	
76/ 75		.2	.3	.8	4.1	3.2	1.2	1.3	.7	.1								108	108	89	6
74/ 73			.7	1.8	2.6	1.8	1.0	1.0	.4									83	83	102	37
72/ 71		.2	.8	1.2	1.7	1.0	1.3	.8	.1									64	64	75	72
70/ 69	.3	.7	.2	.3	1.3	1.7	1.8	.6										62	62	78	100
68/ 67	.1	1.0	.3	.6	1.2	.3	.7	.2										40	40	143	82
66/ 65	.1	.8	.2	.6	.7	.2	.2											25	25	111	79
64/ 63		.4	.1	.1	.9	.3	.7											23	23	72	92
62/ 61		.1		.1	.8	.3	.2											14	14	45	86
60/ 59		.1		.1														2	2	66	77
58/ 57																				34	52
56/ 55																				17	42
54/ 53																				14	48
52/ 51																				10	38
50/ 49																					32
48/ 47																					26
46/ 45																					12
44/ 43																					6
42/ 41																					7
40/ 39																					5
TOTAL	.6	3.6	3.8	9.7	21.2	19.7	19.8	12.4	7.1	1.7	.2	.3						900		900	
																			900		900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3417598	54284	60.3	12.631	900							
Dry Bulb	5410804	69496	77.2	7.034	900			83.6	67.0	34.0	.3	90
Wet Bulb	4141363	60801	67.6	6.136	900			53.1	23.5	.2		90
Dew Point	3505694	55736	61.9	7.752	900			29.8	4.4			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 70-70, 73-78 (YEARS) SEP (MONTH)

 1500-1700 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93								.2	.4	.1			.1					1	1		
92/ 91																		7	7		
90/ 89						.1	1.2	1.3	.7	.3								33	33		
88/ 87						.3	1.8	1.1	.6	.2		.2						38	38		
86/ 85					.8	1.4	1.4	1.4	.4	.2	.1							53	53		
84/ 3					1.9	.9	1.0	1.2	.6	.1								51	51		
82/ 81				1.2	3.0	1.2	1.2	.4	.7	.2								72	72		
80/ 79			.2	1.1	2.0	2.2	.8	1.3	.8	.2								78	78	4	
78/ 77			.9	1.9	2.1	2.2	1.9	.7	.6	.1								93	93	34	
76/ 75		.1	.8	2.6	3.3	4.3	2.0	1.6	.4									136	136	84	6
74/ 73		.1	1.0	2.0	2.8	1.4	.9	.8	.3									84	84	83	41
72/ 71		.3	.9	2.1	2.2	.7	2.2	.8	.3									86	86	83	68
70/ 69	.2	.3	.6	.7	1.0	1.2	1.3	1.0										57	57	102	97
68/ 67		.3	.7	.3	1.3	1.6		.3										41	41	106	71
66/ 65		1.3	.6	.2	.8	.1	.2											29	29	125	95
64/ 63		.4	.3	.2	.7	.6	.9											28	28	79	81
62/ 61					.4	.7	.1											11	11	54	90
60/ 59				.1		.1												2	2	61	86
58/ 57																				36	46
56/ 55																				23	38
54/ 53																				15	46
52/ 51																				10	47
50/ 49																				1	32
48/ 47																					17
46/ 45																					10
44/ 43																					8
42/ 41																					17
40/ 39																					4
TOTAL	.2	3.0	5.9	12.4	22.3	19.1	17.0	12.2	5.8	1.6	.1	.2	.1					900		900	900
																			900		

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3539326	55252	61.4	12.802	900							
Dry Bulb	5310438	68860	76.5	6.826	900			83.0	64.6	28.6	.1	90
Wet Bulb	4099446	60490	67.2	6.136	900			49.6	20.5			90
Dew Point	3488230	55578	61.8	7.900	900			28.3	4.7			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 73-76 (YEARS) SEP (MONTH)

 1800-2000 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87						.1	.1	.1										3	3		
86/ 85					.1	.9	.2	.1										12	12		
84/ 83				.2	1.6	.9	.7	.1			.1							32	32		
82/ 81			.3	1.8	1.7	.6	.4											43	43		
80/ 79			.8	2.3	2.2	1.0	.6		.2									64	64	1	
78/ 77		.2	.9	2.6	2.9	.8	.4	.1	.1									72	72	10	1
76/ 75	.1	1.0	2.1	4.6	1.7	1.7	.7	.2	.1									109	109	56	7
74/ 73	.1	.4	2.0	3.3	2.9	1.2	.6	.1										96	96	80	44
72/ 71		1.0	3.9	3.6	3.2	1.2	1.0											125	125	97	63
70/ 69	.3	.4	3.3	3.3	2.2	1.7	.6											107	107	85	81
68/ 67		.8	1.4	1.6	1.7	1.4	.2											64	64	89	93
66/ 65		1.1	1.3	1.9	1.6	1.1	.4											67	67	120	85
64/ 63	.3	.8	.9	1.4	1.0	.7	.1											47	47	108	94
62/ 61		.1	.2	.8	1.2	.4	.1											26	26	71	73
60/ 59		.1	.3	.4		.6												13	13	61	87
58/ 57		.1	.1	.1	.6	.4												12	12	54	57
56/ 55			.1	.1	.1													3	3	21	35
54/ 53				.3														3	3	20	63
52/ 51			.2															2	2	9	37
50/ 49																				11	31
48/ 47																				7	10
46/ 45																					10
44/ 43																					13
42/ 41																					10
40/ 39																					3
38/ 37																					3
TOTAL	.9	6.1	18.0	28.3	24.6	14.7	6.1	.8	.4		.1							900	900		900
																				900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4590706	63444	70.5	11.473	900							
Dry Bulb	4727545	64975	72.2	6.390	900			72.7	43.1	13.0		90
Wet Bulb	3937522	59216	65.8	6.361	900			41.8	14.7			90
Dew Point	3493378	55630	61.8	7.809	900			28.9	5.2			90

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

U.S. GOVERNMENT PRINTING OFFICE: 1971 762-810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 73-75, 73-76 YEARS | SEP MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83				.1		.1												2	2		
82/ 81				.0	1.0													14	14		
80/ 79			1.2	2.0	.8													41	41		
78/ 77		.2	2.1	3.1	1.2	.2	.1											63	63	2	
76/ 75	.1	1.3	3.2	3.6	1.4	.2												89	89	30	5
74/ 73		1.7	4.9	3.2	.9	.3	.3											102	102	76	42
72/ 71	.3	1.8	3.4	2.1	1.9	.4	.1											91	91	101	71
70/ 69	.2	2.1	6.4	3.1	2.1	.4	.2											132	132	91	87
68/ 67		.8	4.2	2.3	1.6	.6												85	85	80	94
66/ 65	.4	1.6	2.4	2.1	1.3	.6												76	76	108	58
64/ 63	.1	2.9	1.8	1.3	1.6													64	64	99	105
62/ 61	.1	1.3	1.2	2.0	.1	.3	.3											49	49	97	88
60/ 59		1.3	1.8	2.1	.3													50	50	57	83
58/ 57		.1	.9	.4	.2													14	14	52	56
56/ 55		.1	.4		.3	.1												9	9	44	48
54/ 53		.3	.1	.4														8	8	27	45
52/ 51																				13	42
50/ 49		.2	.6															7	7	6	35
48/ 47		.2																2	2	10	12
46/ 45		.2																2	2	6	4
44/ 43																				1	14
42/ 41																					3
40/ 39																					5
38/ 37																					3
TOTAL	1.3	10.2	34.7	29.1	14.2	3.3	1.1												900		900
																		900		900	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5537191	69951	77.7	10.300	900							
Dry Bulb	4303797	62393	69.3	6.533	900			61.9	31.1	3.2		90
Wet Bulb	3817978	58320	64.8	6.573	900			38.0	10.8			90
Dew Point	3504459	55739	61.9	7.036	900			29.9	4.7			90

USAFETAC FORM 0-26-5 (OL A) 7/1 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GPO 801-767/7102-5010 GOVERNMENT PRINTING OFFICE: 1964

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | SEP MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
94/ 93									.0	.0			.0					4	4		
92/ 91						.0	.0	.1	.1	.0								19	19		
90/ 89						.0	.3	.4	.2	.1		.0						70	70		
88/ 87						.2	.0	.3	.2	.0		.1						94	94		
86/ 85				.0	.2	.8	.5	.4	.1	.1	.0							158	158		
84/ 83				.2	.8	.7	.4	.2	.1	.1	.0							179	179		
82/ 81			.1	.8	1.3	.7	.6	.2	.2	.1								277	277	1	
80/ 79			.6	1.8	1.2	.9	.5	.5	.3	.0								412	412	9	1
78/ 77		.1	1.4	1.9	1.6	.8	.8	.2	.2	.0								503	503	105	2
76/ 75	.0	.9	2.0	2.8	2.0	1.8	.7	.5	.2	.0								823	823	345	32
74/ 73	.1	1.6	3.3	2.8	1.7	.9	.5	.3	.1									818	820	612	289
72/ 71	.2	1.7	2.8	1.9	1.7	.6	.8	.3	.1									723	723	749	360
70/ 69	.3	1.8	3.8	2.0	1.4	1.0	.6	.3										803	803	763	728
68/ 67	.2	1.5	2.5	1.5	1.3	.6	.2	.1										574	574	808	722
66/ 65	.3	2.1	1.7	1.4	.8	.4	.1											485	485	900	664
64/ 63	.2	1.5	1.1	1.1	.6	.3	.3											365	365	729	755
62/ 61	.1	1.1	.8	.9	.5	.3	.2	.0										286	286	549	637
60/ 59	.1	1.2	.8	.7	.2	.2	.0											237	237	537	636
58/ 57	.1	.7	.7	.4	.2	.1												157	157	376	467
56/ 55	.1	.3	.4	.2	.2	.0												86	86	248	381
54/ 53	.0	.3	.2	.2	.0													58	58	197	355
52/ 51		.1	.1	.0														14	14	110	306
50/ 49		.2	.1															21	21	64	238
48/ 47		.2																16	16	58	144
46/ 45		.1																10	10	25	83
44/ 43		.0																2	2	9	73
42/ 41																					62
40/ 39																					41
38/ 37																					14
36/ 35																					4
TOTAL	1.7	15.4	23.0	20.4	15.7	10.4	7.2	3.8	1.8	.4	.1	.1	.0					7194	7196	7194	7194

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	39625659	523863	72.8	14.336	7194							
Dry Bulb	37227304	514044	71.5	7.049	7196			546.2	336.1	99.3	.4	720
Wet Bulb	31180210	471242	65.5	6.581	7194			339.5	107.3	.2		720
Dew Point	27939883	444879	61.8	7.718	7194			233.6	32.4			720

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | OCT MONTH

 0000-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Poin
80/ 79					.2													2	2		
78/ 77				.1														1	1		
76/ 75				.2														2	2		
74/ 73		.4	.1	.1														6	6	1	
72/ 71		.6	1.2															17	17	12	3
70/ 69	.1	1.5	1.3	.9	.9													43	43	14	11
68/ 67	.3	3.4	2.2	.6	.2	.3												66	66	28	26
66/ 65	.7	2.7	2.5	.5	.6	.2	.1											71	71	57	51
64/ 63	.3	2.2	2.9	1.2	.4	.5												70	70	65	33
62/ 61	.2	3.1	3.4	2.2	.3	.8		.1										94	94	51	53
60/ 59	.1	2.6	4.1	2.2	.9	.2	.1											94	94	75	55
58/ 57	.3	2.2	3.5	2.0	.9	.1	.1											85	85	81	64
56/ 55		2.0	2.0	1.9	.6	.1												64	64	73	64
54/ 53		1.2	1.8	1.5	.3	.3												48	48	84	50
52/ 51	.2	1.3	2.6	.4	.5	.4												51	51	65	84
50/ 49	.1	.6	2.2	.8	.9	.1												43	43	50	53
48/ 47		1.5	1.9	1.5	.2													48	48	56	53
46/ 45	.1	1.4	1.2	1.3	.1													38	38	47	51
44/ 43	.1	.6	.9	.9	.2													25	25	50	47
42/ 41	.1	.5	.9	.4	.3													21	21	32	57
40/ 39	.1	.2	.9	.8														18	18	29	36
38/ 37	.1	.4	.8	.1														13	13	19	21
36/ 35		.4																4	4	17	28
34/ 33	.1	.2	.3															6	6	19	18
32/ 31																				4	26
30/ 29																				1	20
28/ 27																					6
26/ 25																					12
24/ 23																					4
22/ 21																					4
TOTAL	3.2	29.2	36.6	19.6	7.8	3.1	.3	.1										930	930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5798664	72440	77.9	12.964	930							
Dry Bulb	3121066	53256	57.3	8.766	930			13.7	1.1			93
Wet Bulb	2747309	49835	53.6	9.095	930		.5	5.5	.1			93
Dew Point	2448931	46655	50.2	10.802	930		7.2	4.0				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-762-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | OCT MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79								.1										1	1		
76/ 75				.1														1	1		
74/ 73		.3	.1	.3														7	7		
72/ 71		.0	1.1															16	16	5	4
70/ 69	.3	.9	1.4	.4	.1													29	29	11	6
68/ 67	.2	2.7	1.4	1.1	.1		.1											52	52	26	17
66/ 65	.3	5.3	1.8	.8	.2		.1											79	79	61	48
64/ 63	.1	2.5	1.5	1.3	.6	.2												58	58	62	47
62/ 61	.5	2.9	2.5	1.6	.2	.1	.1											74	74	45	50
60/ 59	.2	2.2	4.6	1.8	.6	.3												91	91	59	52
58/ 57	.5	4.2	2.6	1.5	.8		.1											90	90	82	48
56/ 55		2.7	1.9	1.6	.1	.1												60	60	85	58
54/ 53	.3	2.3	2.6	1.5	.3													65	65	72	85
52/ 51	.1	1.4	3.0	1.3	.2	.1												57	57	62	59
50/ 49		1.3	1.1	1.0	.3	.1												35	35	62	47
48/ 47	.3	1.8	2.5	1.4	.5													61	61	53	61
46/ 45	.1	1.2	1.2	.8														30	30	46	58
44/ 43	.1	1.2	1.4	.9	.2													35	35	51	47
42/ 41	.2	.4	1.3	.2	.3													23	23	38	44
40/ 39	.1	.8	1.8	.8	.1													33	33	28	40
38/ 37	.2	.3	.4	.4														13	13	25	35
36/ 35	.1	.9	.6	.1														16	16	26	27
34/ 33		.1	.3															4	4	19	19
32/ 31																				8	27
30/ 29																				4	20
28/ 27																					9
26/ 25																					10
24/ 23																					7
22/ 21																					2
20/ 19																					3
TOTAL	3.9	35.0	35.2	18.8	4.8	1.0	.4	.1										930		930	930
																			930		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	6076327	74265	79.9	12.532	930							
Dry Bulb	2989072	52054	56.0	9.015	930			10.6	.9			93
Wet Bulb	2662824	49002	52.7	9.331	930		1.2	4.2				93
Dew Point	2401125	46155	49.6	10.906	930		7.8	2.7				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13706 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | OCT MONTH

 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
76/ 75			.2															2	2		
74/ 73			.8		.1													8	8		
72/ 71		.9	1.5	.3														25	25	7	3
70/ 69		1.0	1.6	.8														33	33	18	10
68/ 67	.1	3.0	1.9	.6	.1													54	54	33	26
66/ 65	.4	3.6	2.5	1.0	.1	.2												72	72	46	45
64/ 63	.8	3.2	1.7	1.4	.9	.4	.2											80	80	74	44
62/ 61	.4	3.9	2.7	2.2	.4													89	89	57	59
60/ 59	.2	2.7	3.8	2.4	.5	.8												96	96	72	63
58/ 57	.1	2.4	2.2	2.0	1.1													72	72	75	47
56/ 55	.3	1.2	2.0	1.5	1.1	.3												60	60	80	65
54/ 53	.2	2.5	1.9	2.2	.3													66	66	62	56
52/ 51		1.3	2.5	1.2	.6													52	52	66	60
50/ 49	.3	1.3	2.5	1.0	.2													49	49	66	63
48/ 47	.1	1.1	1.2	1.0	.4													35	35	61	52
46/ 45		1.0	1.6	.9	.2													34	34	46	55
44/ 43	.2	.8	1.3	.5	.1													27	27	34	47
42/ 41	.2	.8	.8	.4	.2													22	22	35	56
40/ 39	.1	1.1	1.0	.4	.2													26	26	33	41
38/ 37	.1	.6	.5	.4														16	16	24	30
36/ 35	.1		.4	.2														7	7	15	25
34/ 33	.2		.3															5	5	16	24
32/ 31																				7	18
30/ 29																				3	12
28/ 27																					8
26/ 25																					8
24/ 23																					6
22/ 21																					5
20/ 19																					2
TOTAL	4.0	32.0	35.1	20.3	6.7	1.7	.2												930		930
																		930		930	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5950999	73465	79.0	12.607	930							
Dry Bulb	3084964	52924	56.9	8.876	930			12.2	1.0			93
Wet Bulb	2735418	49706	53.4	9.208	930		1.0	5.8				93
Dew Point	2456752	46724	50.2	10.847	930		5.9	3.9				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1974-752-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
67-70, 73-78 — YEARS
OCT — MONTH
PAGE 1
0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85							.1											1	1		
84/ 83					.1		.1											2	2		
82/ 81						.1	.1											7	7		
80/ 79				.2	.1	.0	.1											10	10		
78/ 77				.3	.6	.3												12	12		
76/ 75		.3	.3	.5	.4	.5	.2											22	22	2	
74/ 73		.2	.6	1.8	.5	.5	.2	.2										39	39	10	4
72/ 71		.3	2.8	1.7	1.9	.3	.3	.1	.1									71	71	12	7
70/ 69		.5	2.3	1.8	1.7	1.7	.8	.3	.1									86	86	32	8
68/ 67	.2	1.6	2.7	2.2	1.7	1.3	.6	.3	.1	.1								101	101	64	33
66/ 65	.4	1.6	1.7	2.4	1.6	1.7	1.0	.2		.1								102	102	67	56
64/ 63		2.2	1.3	1.5	2.8	1.7	1.2	.1	.2									102	102	85	60
62/ 61		1.5	1.2	2.7	2.4	1.7	.6	.5										99	99	71	61
60/ 59		.5	1.3	1.7	1.6	1.3	1.0	.1										70	70	81	65
58/ 57		.2	.3	.9	1.7	1.2	.5											45	45	33	62
56/ 55		.2	.5	1.2	1.1	1.1	.1	.1										40	40	77	45
54/ 53		.3	.4	1.0	1.2	1.0	.5											41	41	75	52
52/ 51		.1	.3	1.0	1.2	.3												27	27	58	54
50/ 49			.2	1.2	.6	.4	.1											24	24	56	73
48/ 47			.4	.4	.1	.2												11	11	39	38
46/ 45			.2		.4	.4												10	10	42	54
44/ 43				.4	.2	.1												7	7	31	52
42/ 41				.2	.1													3	3	17	35
40/ 39				.3														3	3	8	34
38/ 37																				11	31
36/ 35																				6	31
34/ 33																				3	18
32/ 31																					21
30/ 29																					7
28/ 27																					12
26/ 25																					6
24/ 23																					2
22/ 21																					5
20/ 19																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | OCT MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
18/ 17																					1
TOTAL	.6	9.7	6.7	3.4	2.5	1.7	7.6	2.0	.5	.2									930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	4225812	61090	65.7	15.139	930							
Dry Bulb	3805160	59064	63.5	7.026	930			34.6	8.8	1.2		93
Wet Bulb	3078389	52945	56.9	8.315	930			12.0	1.2			93
Dew Point	2558565	47669	51.3	11.136	930		5.7	5.2	.4			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-620-040

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | OCT MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89								.1	.1									2	2		
88/ 87								.1										1	1		
86/ 85								.4	.2									6	6		
84/ 83							.3	.9			.1							12	12		
82/ 81					.1	.1	.8	.5		.3	.1							18	18		
80/ 79					.1	.3	.9		.1									13	13		
78/ 77		.3		.4	.9	.3	.5	.8	.1		.2							33	33		
76/ 75		.3	.2	1.2	.5	1.2	.6	.7	.4	.1								45	45	5	2
74/ 73		.1	.2	2.6	1.5	2.7	1.0	1.1	.5	.1		.1						92	92	8	4
72/ 71	.1		1.8	1.1	1.1	1.1	1.5	.4	.8	.3								76	76	24	5
70/ 69		.5	2.3	.6	2.2	2.0	.9	2.0	.5	.2								105	105	44	8
68/ 67		1.0	.4	2.4	1.4	1.7	1.0	.8	.9	.4	.1							93	94	71	24
66/ 65	.2	.8	1.2	1.5	3.0	1.3	1.9	.5	.5									102	102	75	57
64/ 63	.1	.4	1.0	1.1	2.3	1.3	.9	.4	.2									71	71	71	53
62/ 61		.6	.2	.3	1.0	2.0	.9	1.0		.1								57	57	87	53
60/ 59		.3	1.1	.3	2.0	1.5	1.0	.8	.1									66	66	76	56
58/ 57			.4	.1	1.3	1.2	1.2	.1	.2									42	42	87	75
56/ 55				.2	.8	1.2	.6	.2										28	28	76	51
54/ 53			.2	.2	.8	.3	.3											17	17	63	50
52/ 51		.1	.4	.1	.5	.6	.3											20	20	52	64
50/ 49		.1		.2	.1	.1												5	5	53	50
48/ 47			.1	.1	.3	.6	.6											17	17	47	45
46/ 45					.1	.1												2	2	31	51
44/ 43					.3													3	3	28	59
42/ 41		.1		.1	.1													3	3	5	37
40/ 39																				10	37
38/ 37																				8	27
36/ 35																				8	35
34/ 33																					21
32/ 31																					22
30/ 29																					7
28/ 27																					8
26/ 25																					12
24/ 23																					7

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1966

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 YEARS | OCT MONTH

1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
22/ 21																					4
20/ 19																					5
TOTAL	.4	4.7	9.0	12.6	20.3	19.8	15.2	10.3	4.7	1.6	.5	.1						929	930	929	929

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3356189	53893	58.0	15.735	929							
Dry Bulb	4194772	62012	66.7	8.026	930			49.7	22.2	4.6		93
Wet Bulb	3175602	53776	57.9	8.222	929			15.2	1.3			93
Dew Point	2499047	47013	50.6	11.367	929		6.5	4.3	.6			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1964 O-726-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) L[illegible]LEY AFB, VA (STATION NAME) 67-70, 73-78 (YEARS) OCT (MONTH)

 1500-1700 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
90/ 89									.2									2	2		
88/ 87									.1	.1								2	2		
86/ 85									.1									1	1		
84/ 83						.1	.2	.4	.4		.2							13	13		
82/ 81						.1	.3	.5	.1	.1								11	11		
80/ 79					.3	.1	.4	.2	.2	.1	.1							14	14		
78/ 77				.3	1.1	.3	.2	.3	.2	.3								26	26		
76/ 75				1.2	.4	.6	.8	.3	.5	.1								37	37		
74/ 73		.3	.1	1.5	.5	1.1	1.0	.6	.5	.1								54	54	3	
72/ 71		.4	2.4	1.7	1.0	.8	1.0	.5	.2		.1							75	75	29	3
70/ 69		.8	3.3	1.3	2.9	1.8	1.0	1.1	.6	.3								122	122	29	11
68/ 67		1.0	1.1	1.6	2.5	1.5	1.0	1.0	.2	.2								99	99	75	31
66/ 65		1.0	1.8	1.5	1.4	1.2	2.0	.8	.9	.1								99	99	58	55
64/ 63	.1	.9	1.2	1.1	2.3	1.5	1.2	.8	.2									85	85	72	57
62/ 61	.2	.4	.5	1.5	2.0	1.6	.2	.8		.2								70	70	103	41
60/ 59		.4	.6	.6	1.3	1.8	.9	.4										57	57	80	58
58/ 57			.5	.8	1.8	.8	1.3	.5	.1									54	54	82	67
56/ 55			.3	.3	.9	1.7	.4											34	34	70	61
54/ 53				.2	1.0	.6	.3											20	20	81	45
52/ 51			.2	.1	.3	.6	.1											13	13	51	70
50/ 49		.2	.3	.2	.6	.2	.4											20	20	56	53
48/ 47		.1		.2		.4	.3											10	10	45	40
46/ 45					.4	.1												5	5	36	54
44/ 43					.2	.1												3	3	41	62
42/ 41				.2														?	2	13	36
40/ 39				.1	.1													?	2	8	29
38/ 37																				10	30
36/ 35																				6	27
34/ 33																				?	28
32/ 31																					26
30/ 29																					13
28/ 27																					9
26/ 25																					8
24/ 23																					6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1973-729-0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | OCT MONTH

1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
22/ 21																					8
20/ 19																					2
TOTAL	.3	5.5	12.3	14.5	21.2	17.2	13.0	8.9	4.7	1.7	.4								930			930
																		930		930		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3548180	55378	59.5	16.425	930							
Dry Bulb	4073050	61110	65.7	7.869	930			45.6	16.0	3.3		93
Wet Bulb	3122564	53358	57.4	8.116	930			13.6	.3			93
Dew Point	2477305	46829	50.4	11.332	930		7.2	4.5				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1978 260-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | OCT MONTH

1000-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83								.1										1	1		
82/ 81							.1											1	1		
80/ 79						.2												2	2		
78/ 77				.3	.3	.1	.2											9	9		
76/ 75		.1	.1	.4	.3	.1		.1										11	11		
74/ 73		.3	.3	1.3	.4	.8	.1											30	30	2	
72/ 71		.3	1.1	.8	1.0	.3		.1										33	33	12	4
70/ 69		1.5	2.2	1.4	.9	.4	.3											62	62	21	7
68/ 67		2.6	2.6	1.1	1.0	1.1												77	77	43	27
66/ 65	.1	1.6	3.0	3.9	1.8	.6	.3											106	106	66	52
64/ 63		1.2	3.3	3.4	2.7	.9	.2	.1										110	110	65	42
62/ 61	.3	1.2	2.3	2.5	1.7	.5	.8											86	86	71	45
60/ 59		1.3	3.4	2.7	1.6	1.3	.5	.2										103	103	94	56
58/ 57		.8	1.7	2.3	1.8	.8	.1											69	69	88	81
56/ 55		.1	.5	2.6	.6	.8	.3											46	46	101	76
54/ 53			1.2	1.4	1.4	.5	.1											43	43	50	64
52/ 51		.3	.4	.9	1.3	.9	.1											36	36	56	60
50/ 49		.2	1.8	1.0	.8	.4												38	38	73	62
48/ 47		.1	.8	.3	.5	.3												19	19	40	49
46/ 45		.1	.4	.9	.3													16	16	45	50
44/ 43		.1	.1	.5	.8	.1												15	15	31	37
42/ 41			.4	.2	.2													8	8	23	49
40/ 39			.1	.4	.1													6	6	17	34
38/ 37				.2														2	2	14	32
36/ 35			.1															1	1	9	18
34/ 33																				7	23
32/ 31																				2	20
30/ 29																					9
28/ 27																					9
26/ 25																					11
24/ 23																					8
22/ 21																					5
TOTAL	.4	11.8	25.9	28.4	19.5	10.1	3.2	.6										930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4682366	64744	69.6	13.728	930							
Dry Bulb	3524742	56782	61.1	7.892	930			22.6	5.4	.4		93
Wet Bulb	2937867	51681	55.6	8.423	930		.2	7.8	.2			93
Dew Point	2495394	47118	50.7	10.791	930		6.2	3.8				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-76, 73-76 YEARS | OCT MONTH

 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
80/ 79					.1	.2												3	3		
78/ 77				.3														3	3		
76/ 75			.1	.1	.1													3	3		
74/ 73		.4	.0	.6	.3	.1		.1										21	1	1	
72/ 71		.3	1.0	.9	.3	.1												30	30	12	4
70/ 69	.2	1.6	1.0	1.3	.3	.1	.5											47	47	19	13
68/ 67	.1	2.4	2.7	1.1	.2	.6	.1											67	67	38	26
66/ 65	.2	2.7	2.3	2.0	.4	.1	.1	.1										74	74	56	51
64/ 63	.2	1.6	3.4	2.4	1.1	.8		.1	.1									90	90	58	36
62/ 61	.1	1.9	3.7	2.2	.8	.4												84	84	52	41
60/ 59	.1	2.9	3.9	2.2	1.0	.3												96	96	91	58
58/ 57	.2	1.2	4.1	1.8	2.0	.3												90	90	83	73
56/ 55		.9	1.8	2.3	1.0	.3												58	58	91	68
54/ 53		.4	1.5	1.4	.8	.3												41	41	74	49
52/ 51		.5	1.5	1.9	.5	.4												46	46	51	80
50/ 49		.4	2.3	1.4	.5	.3												46	46	58	58
48/ 47		1.8	1.4	1.0	.3													42	42	44	59
46/ 45		.8	.9	1.0	.2													26	26	60	47
44/ 43		.3	.4	.9	.9													23	23	44	38
42/ 41		.1	.8	.6														14	14	28	53
40/ 39	.1	.2	.6	.6	.1													16	16	23	43
38/ 37		.1	.2	.1														4	4	18	29
36/ 35		.1	.2	.1														4	4	17	20
34/ 33			.2															2	2	7	23
32/ 31																				3	22
30/ 29																				2	7
28/ 27																					9
26/ 25																					14
24/ 23																					7
22/ 21																					2
TOTAL	1.3	20.8	35.2	26.1	11.0	4.5	.8	.3	.1									930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5340351	69447	74.7	12.894	930							
Dry Bulb	3272467	54593	58.7	18.539	930			17.4	3.0	.2		93
Wet Bulb	2820004	50544	54.3	18.866	930		.5	7.0	.1			93
Dew Point	2408936	46868	50.4	20.732	930		6.1	4.3				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-759-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 70-73, 73-78 YEARS | OCT MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89								.0	.0									4	4		
88/ 87								.0	.0	.0								3	3		
86/ 85							.0	.1	.0									8	8		
84/ 83					.0	.0	.1	.2	.1		.0							28	28		
82/ 81					.0	.0	.2	.1	.0	.1	.0							32	32		
80/ 79				.0	.1	.2	.2	.0	.0	.0	.0							45	45		
78/ 77		.0		.2	.4	.1	.1	.1	.0	.0	.0							84	84		
76/ 75		.1	.1	.5	.2	.3	.2	.1	.1	.0								123	123	7	2
74/ 73		.3	.4	1.0	.4	.6	.3	.3	.1	.0		.0						257	257	25	8
72/ 71	.0	.4	1.7	.8	.7	.3	.3	.1	.1	.0	.0							343	343	113	33
70/ 69	.1	1.0	1.9	1.1	1.1	.8	.4	.4	.2	.1								527	527	188	74
68/ 67	.1	2.2	1.9	1.3	.9	.8	.3	.3	.1	.1	.0							609	610	378	210
66/ 65	.3	2.4	2.1	1.7	1.2	.7	.7	.2	.2	.0								705	705	486	415
64/ 63	.2	1.8	2.0	1.7	1.0	.9	.5	.2	.1									666	666	552	472
62/ 61	.2	1.9	2.1	1.9	1.1	.9	.3	.3		.0								653	653	537	403
60/ 59	.1	1.6	2.8	1.7	1.2	.9	.4	.2	.0									673	673	628	463
58/ 57	.1	1.4	1.9	1.4	1.4	.5	.4	.1	.0									547	547	661	517
56/ 55	.0	.9	1.2	1.0	.8	.7	.2	.0										390	390	653	488
54/ 53	.1	.8	1.2	1.2	.8	.4	.2											341	341	561	451
52/ 51	.0	.6	1.4	.9	.7	.4	.1											302	302	461	531
50/ 49	.1	.5	1.3	.8	.5	.2	.1											260	260	474	459
48/ 47	.1	.8	1.0	.7	.3	.2	.1											243	243	385	397
46/ 45	.0	.0	.7	.6	.2	.1												161	161	353	420
44/ 43	.1	.4	.5	.5	.4	.0												138	138	290	389
42/ 41	.1	.2	.5	.3	.2													96	96	191	367
40/ 39	.1	.3	.6	.4	.1													104	104	156	294
38/ 37	.1	.2	.2	.2														48	48	129	235
36/ 35	.0	.2	.2	.1														32	32	104	211
34/ 33	.0	.0	.1															17	17	73	174
32/ 31																				24	182
30/ 29																				10	95
28/ 27																					70
26/ 25																					82
24/ 23																					47

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 73-70,73-78 YEARS | OCT MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
22/ 21																					35
20/ 19																					13
18/ 17																					1
TOTAL	1.0	18.7	25.0	20.5	14.2	9.3	5.1	2.0	1.3	.4	.1	.0							7440		7439
																		7439		7439	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	38978888	524722	70.5	16.261	7439							
Dry Bulb	28065293	451795	60.7	9.203	7440			206.4	58.4	9.7		744
Wet Bulb	23279977	410847	55.2	8.902	7439		3.4	71.1	3.2			744
Dew Point	19806055	375031	50.4	10.995	7439		52.6	32.7	1.0			744

USAFETAC FORM AL1 64 0-26-5 (OL A) PREVIOUS EDITIONS OF U.S. FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1978-260-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-76, 73-78 YEARS | NOV MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
72/ 71					.1													1	1		
70/ 69			.1	.7	.6	.2												14	14		
68/ 67		.3	.7	.3	.3	.1												16	16		
66/ 65		1.4	.7	.6	.3													27	27	10	1
64/ 63		2.3	.1	.8														29	29	24	15
62/ 61		1.7	1.4	.9	.2	.3												41	41	36	16
60/ 59		2.2	2.0	.6	.1	.1												45	45	32	38
58/ 57		2.4	2.0	.3	.7	.3	.1											53	53	54	31
56/ 55		2.2	1.2	1.2	.2	.2		.1										47	47	35	39
54/ 53	.1	1.3	1.4	1.7	.3		.1											45	45	46	47
52/ 51		1.9	2.3	.4	.3	.1	.1											47	47	28	33
50/ 49	.1	2.7	2.0	1.9	1.2													71	71	57	37
48/ 47		3.0	1.9	2.3	.9													73	73	61	37
46/ 45	.1	1.8	2.3	1.9	.7	.2												63	63	58	46
44/ 43		1.8	1.7	3.6	1.1	.2												80	80	57	53
42/ 41		1.4	2.2	2.1	.6	.2												59	59	68	45
40/ 39	.1	1.1	1.9	2.7	.3	.1												56	56	56	44
38/ 37	.1	.4	1.1	.9														23	23	70	49
36/ 35		.4	1.3	1.1														26	26	58	38
34/ 33		.4	1.1	1.1														24	24	38	50
32/ 31		.7	1.1	.4														20	20	28	35
30/ 29		.7	1.4	.3														22	22	29	51
28/ 27		.2	.6	.6														12	12	20	34
26/ 25		.1	.4	.1														6	6	19	35
24/ 23																				8	32
22/ 21																				8	29
20/ 19																					19
18/ 17																					15
16/ 15																					8
14/ 13																					9
10/ 9																					7
8/ 7																					1
6/ 5																					4
4/ 3																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	< 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | NOV MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	.6	30.7	31.1	26.4	8.6	2.2	.3	.1										900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4865408	64848	72.1	14.648	900							
Dry Bulb	2220114	43766	48.6	10.106	900		6.0	3.1				90
Wet Bulb	1894709	40217	44.7	10.419	900		11.2					90
Dew Point	1567782	35678	39.6	13.064	900		28.1					90

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION — LANGLEY AFB, VA STATION NAME — 7-7[illegible], 73-78 YEARS — NOV MONTH

PAGE 1 — 0300-0600 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71				.1														1	1		
70/ 69			.2	.3		.1												6	6		
68/ 67	.1	.1	.7	.6	.2	.3												18	18	1	1
66/ 65		1.4	.2	.1	.1													17	17	8	
64/ 63		1.0	.1	.8	.1													23	23	21	14
62/ 61		2.9	.8	.8	.1	.1												42	42	20	15
60/ 59	.2	2.3	2.2	.6	.2	.3												53	53	35	36
58/ 57		2.4	1.1	.4	.1	.1												38	38	55	25
56/ 55		2.9	1.9	.8		.2	.1											53	53	40	34
54/ 53	.1	1.4	2.0	.8	.1	.1												41	41	40	44
52/ 51	.1	1.4	1.1	1.1	.8	.1												42	42	44	43
50/ 49		3.9	1.9	.8	1.2	.3												73	73	36	29
48/ 47	.1	2.7	1.9	2.1	1.2													72	72	57	46
46/ 45		1.3	3.0	1.3	.8	.4												62	62	53	52
44/ 43	.1	2.6	1.8	3.0	.2	.1												70	70	54	39
42/ 41		.9	2.2	1.1	.3													41	41	79	39
40/ 39	.2	1.6	2.3	2.0	.3													58	58	62	39
38/ 37		.7	1.7	1.6	.1	.1												37	37	53	48
36/ 35		1.3	2.1	.9														39	39	44	45
34/ 33		.6	2.4	.7	.1													34	34	48	45
32/ 31		1.6	1.1	.6														29	29	38	48
30/ 29		.6	1.7	.3														23	23	43	45
28/ 27		.3	.7															9	9	23	54
26/ 25		.4	.6	.1														12	12	18	25
24/ 23		.1	.4	.1														6	6	15	36
22/ 21			.1															1	1	8	27
20/ 19																				3	25
18/ 17																				1	11
16/ 15																					11
14/ 13																					9
12/ 11																					5
10/ 9																					4
8/ 7																					3
6/ 5																					1

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 7/71 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | NOV MONTH

 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
47																						2
48																						
TOTAL	1.0	35.0	34.4	20.9	6.1	2.4	.1												900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5093532	66466	73.9	14.343	900							
Dry Bulb	2113461	42589	47.3	10.446	900		8.0	2.5				90
Wet Bulb	1823708	39360	43.7	10.071	900		14.9	.1				90
Dew Point	1525292	35142	39.0	13.051	900		30.6	.1				90

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-7[illegible],73-76 (YEARS) NOV (MONTH)

PAGE 1 0600-0600 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.4	.1	.1													6	6		
68/ 67		.1	1.0	.1	.1													12	12	1	
66/ 65		1.1	.4	.4	.1													19	19	6	2
64/ 63		1.3	.2	1.0	.2													30	30	23	13
62/ 61		2.0	1.1	.7	.5	.1												41	41	23	17
60/ 59		3.0	2.1	.8	.2													55	55	35	29
58/ 57		2.1	1.6	.4	.2	.1												40	40	51	33
56/ 55		2.0	1.5	.8	.1	.2												42	42	41	33
54/ 53		2.2	2.2	.9	.2													50	50	41	40
52/ 51	.1	2.4	1.9	.9	.7													54	54	47	49
50/ 49		2.4	1.4	1.3	.8	.2												56	56	52	36
48/ 47		3.4	1.2	2.3	1.1	.1												74	74	43	47
46/ 45		1.0	2.8	2.0	1.0	.2												63	63	53	46
44/ 43	.1	1.6	2.3	2.1	.3	.1												59	59	50	39
42/ 41		1.2	1.6	2.3	.3													49	49	67	32
40/ 39	.2	1.2	2.1	1.2														43	43	67	41
38/ 37	.3	1.9	1.8	1.7	.1													52	52	54	44
36/ 35		.4	2.1	2.6														41	41	55	44
34/ 33		1.4	1.8	.3	.1													37	37	43	52
32/ 31		1.3	1.1	.3														22	22	40	53
30/ 29		.9	1.0	.2														19	19	43	52
28/ 27		1.3	.8	.2														18	18	21	27
26/ 25		.2	1.0															11	11	20	34
24/ 23		.3	.1															4	4	10	34
22/ 21			.3															3	3	12	32
20/ 19																					23
18/ 17																				3	14
16/ 15																					11
14/ 13																					12
12/ 11																					7
10/ 9																					1
6/ 5																					2
4/ 3																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13701 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-76 YEARS | NOV MONTH

0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	.8	35.6	34.0	22.7	5.9	1.1												900		900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5138268	66888	74.3	13.636	900							
Dry Bulb	2110666	42540	47.3	10.514	900		7.7	1.8				90
Wet Bulb	1828130	39400	43.8	10.719	900		14.9	.1				90
Dew Point	1536044	35302	39.2	12.975	900		30.2					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1967 O-770-870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 YEARS | NOV MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77							.2	.2										4	4		
76/ 75					.1		.2											3	3		
74/ 73				.2	.2	.6	.2											11	11		
72/ 71			.8	.3	.3	.4		.1										18	18		
70/ 69			1.0	.3	.8	.4	.2											25	25		
68/ 67		.3	.8	.1	.8	.4			.1									23	23	14	
66/ 65	.1	.9	1.3	1.1	.3	.9												42	42	24	17
64/ 63	.2	1.2	.9	1.0	1.3	.4	.2	.1										49	49	34	18
62/ 61		1.3	1.4	1.7	1.3	.3	.3											59	58	36	23
60/ 59	.1	1.2	1.9	1.4	.9	.7	.2	.2										60	60	39	25
58/ 57		1.6	1.9	1.4	1.2	.8	.2	.1										65	65	57	39
56/ 55	.2	1.3	.9	1.7	.9	.4	.6											54	54	03	52
54/ 53	.1	.4	1.6	1.1	1.7	1.1	.8											61	61	52	37
52/ 51	.1	.6	1.0	1.9	1.7	1.4	.6											65	65	45	49
50/ 49		1.0	1.4	2.7	2.4	2.0	.2											88	88	55	45
48/ 47		1.8	.3	2.6	2.6	1.3	.1											79	78	45	42
46/ 45		.7	.6	1.6	2.1	.6	.1											50	50	78	43
44/ 43		.3	.3	.9	1.2	.6												30	30	56	37
42/ 41		.2	.2	.7	2.3	.4												35	35	81	40
40/ 39		.3	.4	.9	.9	.2												25	25	58	44
38/ 37		.6	.7	1.0	.9													28	28	38	40
36/ 35			.1	.3	.3													7	7	27	39
34/ 33			.1	.3	.3													7	7	39	43
32/ 31			.1	.4	.1													6	6	15	45
30/ 29				.2														2	2	13	49
28/ 27			.1															1	1	5	28
26/ 25			.2	.1														3	3	8	28
24/ 23																				3	25
22/ 21																				3	30
20/ 19																					18
18/ 17																					10
16/ 15																					9
14/ 13																					7
12/ 11																					11

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1966 O - 205-510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | NOV MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27	28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
10/ 9																						3
8/ 7																						1
6/ 5																						1
TOTAL	.9	13.6	18.2	24.1	24.6	13.1	4.2	.8	.1										898	898	898	898

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3891730	57160	63.7	10.806	898							
Dry Bulb	2674253	48237	53.7	9.628	898		1.2	0.4	1.0			90
Wet Bulb	2143530	42942	47.8	10.020	898		4.7	1.4				90
Dew Point	1668233	36777	41.0	13.441	898		20.6					90

GOVERNMENT PRINTING OFFICE: 1974-702-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | NOV MONTH

 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83										.1								1	1		
82/ 81								.3	.2	.4								9	9		
80/ 79							.1	.8										8	8		
78/ 77						.2	.1	.7			.2							11	11		
76/ 75				.4	.2	.3	.6	.7		.3								23	23		
74/ 73				.7	.2	.4	.6	.2	.1									20	20		
72/ 71			.3	.3	.6	.3	1.0	.3	.2	.1								29	29	1	
70/ 69		.1	1.1	.7		.3	.7	.1	.1	.1								29	29	6	
68/ 67		.2	1.7	.4	.6	.8	.6	.4	.2	.1								45	45	19	3
66/ 65		.3	.9	.7	.9	1.3	.8	1.0	.7	.3								62	62	39	16
64/ 63		.6	.3	1.7	.9	1.2	.4	.6	.3									54	54	46	19
62/ 61		.8	2.3	1.2	1.2	.6	.3	1.2	.2	.1								72	72	34	25
60/ 59		1.0	.9	1.0	.8	1.6	.9	.4	.3	.1								63	63	37	29
58/ 57		.4	.8	.7	1.2	.8	.6	.4	.2									46	46	73	31
56/ 55		.3	.9	.7	.7	1.2	1.4	.4										51	51	55	48
54/ 53		.2	1.1	.4	1.7	.9	1.4	.3										55	55	52	50
52/ 51		.2	.3	1.7	2.0	1.8	2.1	.1										74	74	43	33
50/ 49	.1	.6	1.2	.6	1.8	2.4	1.3	.1										73	73	56	42
48/ 47		1.0	.7	.9	1.6	1.6	.8											58	58	53	39
46/ 45		.3	.1	.2	1.0	1.1	.3											28	28	77	46
44/ 43		.3			1.1	1.2	.4											28	28	60	34
42/ 41		.3	.3	.1	.9	1.0												24	24	66	41
40/ 39		.2	.1	.2	.3	.6												13	13	54	51
38/ 37		.2	.3		.4	.3												12	12	40	38
36/ 35			.1	.1	.7													8	8	27	37
34/ 33					.1													1	1	28	39
32/ 31																				15	41
30/ 29				.1														1	1	8	35
28/ 27			.1	.1														2	2	8	41
26/ 25																					37
24/ 23																				3	21
22/ 21																					34
20/ 19																					21
18/ 17																					11

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974 702-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13707 (STATION) LANGLEY AFB, VA (STATION NAME) 7-70, 73-78 (YEARS) NOV (MONTH)

PAGE 2 1200-1400 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
16/ 15																					12
14/ 13																					9
12/ 11																					9
10/ 9																					8
TOTAL	.1	7.2	13.7	12.9	18.8	20.0	14.4	8.2	2.7	1.8	.2								900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3077136	50034	55.6	18.132	900							
Dry Bulb	3071363	51767	57.5	10.241	900		.3	17.5	7.2	1.5		90
Wet Bulb	2284535	44451	49.4	9.955	900		3.4	2.6				90
Dew Point	1651692	36504	40.6	13.795	900		27.9	.3				90

FORM 0-26-5 (OL 4) USAFETAC JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFF

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13707 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-76 YEARS | NOV MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81								.1	.1	.1	.1							4	4		
80/ 79								.3	.2	.1								6	6		
78/ 77							.6	.3		.1	.1							10	10		
76/ 75				.1	.2	.4	.8	.4		.2								20	20		
74/ 73				.2	.2	.1	1.0	.1	.3									18	18		
72/ 71			.2	.6	.8	1.0		.1	.2									24	24		
70/ 69		.2	.7	.6	.4	.4	.7	.2	.1									30	30	1	
68/ 67		.3	.9	.2	.7	.3	.9	.1	.0	.2								38	38	19	
66/ 65		.6	1.1	.6	.4	.7	.9	.6	.4	.3								52	50	26	12
64/ 63		1.2	.9	1.0	.7	.4	.0	.6	.7	.1								60	60	41	18
62/ 61		1.1	1.4	1.4	1.0	1.0	.1	1.2	.3									69	69	50	16
60/ 59		.7	1.7	1.3	.7	.8	1.2	.7	.3	.1								67	67	38	40
58/ 57		.8	1.0	1.4	.8	.8	.6	.2										50	50	51	30
56/ 55		.7	.6	1.1	.7	.9	.7	.2										43	43	60	49
54/ 53		.3	1.3	.6	1.1	.9	1.2	.3										52	52	49	46
52/ 51		.4	1.1	1.8	1.7	1.0	1.4	.1										68	68	52	39
50/ 49		1.1	1.3	1.0	1.3	2.0	1.8	.2										79	79	54	37
48/ 47		1.1	.7	1.7	2.1	2.2	.4											74	74	72	37
46/ 45		.2	.4	.6	1.4	1.2	.3											38	38	67	49
44/ 43		.2	.3	.4	1.0	1.3												30	30	48	50
42/ 41		.2		.1	1.1	1.0	.2											24	24	62	36
40/ 39		.1	.2	.1	.3	.8												14	14	65	33
38/ 37		.2	.2		1.1	.3												17	17	48	36
36/ 35		.1	.1	.1	.8													10	10	24	43
34/ 33					.2													2	2	29	53
32/ 31				.2														2	2	14	43
30/ 29																				20	26
28/ 27				.1														1	1	7	42
26/ 25																				2	29
24/ 23																				1	17
22/ 21																					31
20/ 19																					26
18/ 17																					14
16/ 15																					12

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
7-73, 73-78 — YEARS
NOV — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0.	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
14/ 13																					19
12/ 11																					12
10/ 9																					5
TOTAL		9.7	14.2	15.8	16.6	17.7	13.3	5.9	3.3	1.3	.2								900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3229852	51246	56.9	16.026	900							
Dry Bulb	2957318	50784	56.4	10.102	900		.3	15.0	5.8	.9		90
Wet Bulb	2225457	43861	48.7	9.889	900		4.4	2.0				90
Dew Point	1621165	36113	40.1	13.836	900		27.6					90

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-76 YEARS | NOV MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
78/ 75						.1	.4	.1										6	6		
74/ 73						.3	.1											4	4		
72/ 71			.1	.3	.1	.2	.1											8	8		
70/ 69		.1	1.0	.7	.4	.4		.1										25	25		
68/ 67		.1	.8	.9	.6	.6	.1											27	27	4	
66/ 65		.8	.9	.8	.6	.4	.1											32	32	20	7
64/ 63		2.0	.4	1.4	.6	.3		.1										44	44	29	15
62/ 61		2.1	1.2	.9	.6	.2	.3	.2										50	50	37	19
60/ 59	.1	1.4	1.7	1.0	.9	.4	.2	.1	.1									54	54	46	40
58/ 57		1.4	2.0	.4	1.2	.6	.4											55	55	45	33
56/ 55		1.0	1.8	2.2	1.0	.7	.3	.1										64	64	50	35
54/ 53		.9	1.7	.8	.7	1.0	.1	.1										47	47	48	46
52/ 51	.2	1.1	2.2	1.3	1.7	.9												67	67	34	41
50/ 49		1.6	2.0	1.3	1.4	.2	.1											60	60	72	33
48/ 47		2.9	1.0	2.9	1.6	1.0												86	86	53	46
46/ 45		.2	2.4	2.4	1.7	1.4	.1											77	77	77	57
44/ 43		.3	1.2	1.4	1.6	.6												46	46	50	45
42/ 41		.2	1.0	1.6	1.6	.1												40	40	77	41
40/ 39		.3	.2	1.9	1.0													31	31	57	31
38/ 37		.7	.4	.9	.4													22	22	49	45
36/ 35		.1	.3	1.0	.9													21	21	47	53
34/ 33			.4	1.0	.7													19	19	33	52
32/ 31		.1	.2	.6	.1													9	9	23	42
30/ 29			.3	.1														4	4	15	33
28/ 27			.1	.1														2	2	17	33
26/ 25																				15	29
24/ 23																				1	25
22/ 21																				1	27
20/ 19																					23
18/ 17																					11
16/ 15																					13
14/ 13																					11
12/ 11																					4
10/ 9																					8

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13762 STATION | LANGLEY AFB, VA STATION NAME | 7-7?,73-7? YEARS | NOV MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
6/ 5																						2
TOTAL	.3	17.4	23.0	26.0	19.6	9.6	2.6	.9	.1										900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	4116211	59065	65.6	10.336	900							
Dry Bulb	2523952	46850	52.1	9.732	900		1.5	7.0	1.0			90
Wet Bulb	2051490	42012	46.7	10.026	900		7.2	.4				90
Dew Point	1616236	36278	40.3	13.255	900		26.1					90

USAFETAC FORM 0 26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-0-470

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-7?, 73-78 YEARS | NOV MONTH

 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75							.1											1	1		
74/ 73						.3												3	3		
72/ 71					.3	.1												4	4		
70/ 69		.1	.1	.7	.4	.4												16	16		
68/ 67		.9	1.0	.7	.4				.1									25	25	1	
66/ 65		.4	.7	.4	.2													16	16	15	4
64/ 63		1.3	.8	1.1	.2	.3												34	34	27	15
62/ 61		2.1	1.3	.7	.4													41	41	33	13
60/ 59		1.9	1.8	1.4	.2	.3												51	51	29	35
58/ 57	.1	2.6	1.1	1.0	1.3	.3												58	58	47	35
56/ 55		2.6	1.4	1.0	.3	.6	.2											55	55	46	43
54/ 53		.7	2.4	1.8	.7	.6	.1											56	56	54	42
52/ 51		1.3	1.9	1.2	1.0	.1												50	50	28	29
50/ 49	.3	2.4	1.1	1.7	.7		.2											58	58	68	34
48/ 47	.1	2.0	1.3	3.0	2.2	.4												82	82	57	53
46/ 45		1.9	2.9	2.7	1.7	.2	.1											85	85	54	49
44/ 43		1.4	1.8	2.0	1.0													56	56	64	49
42/ 41		1.0	1.3	1.2	1.6													46	46	71	41
40/ 39		.6	1.0	3.1	.9													50	50	72	36
38/ 37		.6	.7	1.4	.4													28	28	45	61
36/ 35		.6	1.1	.6	.1													21	21	53	41
34/ 33		.2	.9	.7	.4													20	20	43	46
32/ 31		.2	.8	1.6	.3													28	26	27	41
30/ 29		.3	.3	.7														12	12	17	41
28/ 27		.1	.4	.1														6	6	23	38
26/ 25																				17	25
24/ 23																				9	41
22/ 21																					23
20/ 19																					17
18/ 17																					18
16/ 15																					9
14/ 13																					9
10/ 9																					6
8/ 7																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1973 782-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | NOV MONTH

PAGE 2 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
67	5																					5
47	3																					1
TOTAL	.025	.276	.278	.714	.7	3.8	.8		.1										900		900	900
																			900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4590660	62750	69.7	15.486	900							
Dry Bulb	2320095	44827	49.8	9.858	900		4.4	4.9	.4			90
Wet Bulb	1945237	40827	45.4	10.181	900		9.3	.1				90
Dew Point	1578911	35833	39.8	13.013	900		27.4					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | NOV MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
84/ 83										.0								1	1		
82/ 81								.1	.0	.1	.0							13	13		
80/ 79							.0	.1	.0	.0								14	14		
78/ 77						.0	.1	.2		.0	.0							25	25		
76/ 75					.1	.1	.1	.3	.2	.1								53	53		
74/ 73					.1	.1	.2	.2	.0	.1								56	56		
72/ 71				.2	.2	.3	.3	.1	.1	.1	.0							85	85	1	
70/ 69			.1	.0	.5	.3	.3	.2	.1	.0	.0							151	151	7	
68/ 67	.0		.3	.9	.4	.4	.3	.2	.1	.1	.0							204	204	59	4
66/ 65	.0		.9	.0	.6	.4	.4	.2	.2	.1	.1							265	265	148	59
64/ 63	.0	1.5	.5	1.2	.5	.3	.2	.2	.1	.0								323	323	245	127
62/ 61		1.8	1.4	1.0	.5	.3	.1	.3	.1	.0								414	414	269	144
60/ 59	.1	1.7	1.8	1.0	.5	.5	.3	.2	.1	.0								448	448	292	272
58/ 57	.0	1.7	1.4	.8	.8	.5	.2	.1	.0									405	405	433	257
56/ 55	.0	1.6	1.3	1.2	.5	.6	.4	.1										409	409	390	333
54/ 53	.0	.9	1.7	1.0	.8	.6	.5	.1										407	407	382	352
52/ 51	.1	1.2	1.5	1.3	1.2	.7	.5	.0										467	467	321	316
50/ 49	.1	2.0	1.0	1.4	1.4	.9	.5	.0										558	558	450	293
48/ 47	.1	2.2	1.1	2.2	1.7	.8	.2											597	597	441	347
46/ 45	.0	.9	1.8	1.6	1.3	.7	.1											466	466	516	388
44/ 43	.0	1.1	1.2	1.7	1.0	.5	.1											399	399	439	346
42/ 41		.7	1.1	1.2	1.1	.3	.0											318	318	571	315
40/ 39	.1	.7	1.0	1.5	.5	.2												290	290	491	319
38/ 37	.1	.7	.9	.9	.4	.1												219	219	397	361
36/ 35		.4	.9	.8	.3													173	173	345	340
34/ 33		.3	.8	.6	.3													144	144	301	330
32/ 31		.4	.6	.5	.1													114	114	200	348
30/ 29		.3	.6	.3														83	83	188	332
28/ 27		.2	.3	.2														51	51	124	307
26/ 25		.1	.3	.0														32	32	99	242
24/ 23		.1	.1	.0														10	10	50	231
22/ 21			.1															4	4	32	223
20/ 19																				3	172
18/ 17																				4	104

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Rel. Hum.											
Dry Bulb											
Wet Bulb											
Dew Point											

USAFETAC FORM 0-26-5 (OL A) 80 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | NOV MONTH

ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
16/ 15																					85
14/ 13																					85
12/ 11																					48
10/ 9																					42
8/ 7																					7
6/ 5																					1
4/ 3																					
TOTAL	.2	21.8	74.4	22.2	14.6	8.7	4.5	2.0	.8	.4	.1							7198	7198		7198
																		7198		7198	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	34002797	478457	66.5	17.481	7198							
Dry Bulb	19991722	371366	51.6	10.751	7198		29.4	60.2	16.2	2.4		720
Wet Bulb	16196796	333070	46.3	10.442	7198		70.0	6.7				720
Dew Point	12765355	287577	40.0	13.315	7198		224.6	.4				720

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1974-762-610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-7[illegible],73-76 YEARS | DEC MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.3	.1	.1													5	5		
68/ 67			.1															1	1	1	
66/ 65		.3		.1	.2	.1												7	7	3	3
64/ 63		.1			.2													3	3	5	2
62/ 61	.3	.3	.3	.3	.1													17	17	5	6
60/ 59		1.1	.9	.8	.2													27	27	4	5
58/ 57		1.1	1.2	.8	.1													29	29	21	7
56/ 55	.1	.5	.8	.3	.2	.1												19	19	32	14
54/ 53	.2	1.2	.4	.5	.3	.1												26	26	23	25
52/ 51	.1	.8	1.5	1.4	.4	.1												40	40	25	23
50/ 49	.1	.4	1.2	.8	.2	.3												27	27	22	19
48/ 47		2.5	1.4	.4	.2													42	42	30	25
46/ 45		2.5	1.2	.8	1.3	.2												55	55	44	34
44/ 43		2.9	2.0	2.0	.8	.2												74	74	48	27
42/ 41		2.7	2.5	1.2	.4	.4	.1											68	68	50	41
40/ 39		1.8	2.5	3.0	1.2	.3												82	82	59	46
38/ 37		1.6	1.3	2.6	1.0													60	60	69	39
36/ 35	.2	1.5	2.9	2.4	.5													70	70	65	38
34/ 33	.2	1.3	2.7	2.2	.4													63	63	57	50
32/ 31	.2	1.2	3.4	2.0	.1													65	65	82	48
30/ 29	.1	1.1	2.4	2.3	.3													57	57	84	46
28/ 27		.9	2.6	1.3														44	44	48	40
26/ 25		.1	1.9	.4														23	23	57	38
24/ 23		.2	1.1	.2														14	14	46	53
22/ 21		.3	.5	.3														11	11	30	61
20/ 19		.1																1	1	11	49
18/ 17																				9	37
16/ 15																					39
14/ 13																					37
12/ 11																					32
10/ 9																					15
8/ 7																					12
6/ 5																					10
4/ 3																					4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1972-470-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | DEC MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17	18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																						2
0/ -1																						2
-2/ -3																						1
TOTAL	1.0	26.5	35.5	20.0	8.4	1.0	.1													930		930
																			930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4560912	63386	68.2	16.097	930							
Dry Bulb	1642944	37940	40.8	10.121	930		21.5	.6				93
Wet Bulb	1368428	34356	36.9	10.336	930		30.1	.1				93
Dew Point	1038522	28412	30.6	13.548	930	.3	52.6					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF IS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1973 O-507-570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
,7-76,73-78 — YEARS
DEC — MONTH

PAGE 1

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.1	.1														2	2		
68/ 67		.1	.1	.1														3	3		
66/ 65		.4	.3	.4														11	11	4	2
64/ 63		.1	.1		.2													4	4	6	4
62/ 61	.3	.5	.2	.3	.2													15	15	10	6
60/ 59		.4	.5	.9	.2													19	19	8	7
58/ 57		1.2	1.4															24	24	10	10
56/ 55		1.3	1.0	.1	.1	.1												24	24	27	12
54/ 53		.4	1.4	.4	.2													23	23	26	19
52/ 51		.9	1.1	.2	.3	.1												24	24	17	16
50/ 49	.1	1.6	1.9	.3	.2													41	41	24	23
48/ 47		1.4	1.4	.6	1.0													41	41	37	30
46/ 45		2.0	1.2	.8	.3	.2												42	42	32	31
44/ 43	.4	3.2	2.2	1.1	.7													72	72	47	32
42/ 41	.2	1.8	2.5	1.4	.6													61	61	54	36
40/ 39	.2	2.2	2.9	2.0	.4													72	72	58	44
38/ 37		2.0	2.0	2.8	1.0													73	73	56	29
36/ 35	.2	1.5	2.3	3.2	.3													72	72	70	44
34/ 33		1.4	2.6	2.8	.4													67	67	55	39
32/ 31	.4	1.4	2.6	1.6	.4													60	60	75	61
30/ 29	.3	1.1	2.0	1.4														45	45	79	48
28/ 27	.1	.9	2.5	1.3														44	44	62	40
26/ 25		.6	4.1	.4														48	48	42	47
24/ 23		1.1	1.3															22	22	53	47
22/ 21	.1	1.0	.8															17	17	49	52
20/ 19			.3															3	3	22	51
18/ 17		.1																1	1	5	39
16/ 15																				2	29
14/ 13																					42
12/ 11																					45
10/ 9																					19
8/ 7																					15
6/ 5																					2
4/ 3																					5

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1977 703-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13709 — STATION
LANGLEY AFB, VA — STATION NAME
7-76, 73-78 — YEARS
DEC — MONTH

PAGE 2

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					2
0/ -1																					2
TOTAL	2.	528.	988.	922.	4	0.	9	.4											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4711423	64041	69.5	15.335	930							
Dry Bulb	1581830	37110	39.9	10.428	930		24.0	.5				93
Wet Bulb	1332381	33799	36.3	10.582	930		38.9					93
Dew Point	1023321	28163	30.3	13.546	930	.2	54.6					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE 1973 729-510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13709 STATION | LANGLEY AFB, VA STATION NAME | 67-70, 73-78 YEARS | DEC MONTH

PAGE 1 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.2															2	2		
68/ 67		.1	.2	.2														5	5		
66/ 65			.1	.3														4	4	4	
64/ 63		.2	.1	.5														8	8	4	5
62/ 61	.1	.6	.1	.4	.2													15	15	5	5
60/ 59	.2	.8	.6	.4														19	19	16	8
58/ 57		1.1	.8	.1														18	18	14	8
56/ 55		.5	.9			.1												14	14	21	19
54/ 53		1.1	1.9	.2	.3													33	33	14	11
52/ 51		.4	1.0	.3	.1													17	17	18	11
50/ 49		1.7	1.5	.6		.1												37	37	25	26
48/ 47		2.5	1.9	1.0	.2													58	58	38	27
46/ 45		2.0	1.2	1.0	.1	.1												41	41	42	33
44/ 43	.5	2.9	2.4	1.2	.5	.5												75	75	46	30
42/ 41		2.4	3.2	1.5	.1													67	67	58	37
40/ 39	.5	1.4	1.9	2.3	.3													60	60	66	46
38/ 37		.8	3.1	2.0	.9													68	68	50	42
36/ 35		1.0	3.5	2.2	.2													70	70	45	44
34/ 33	.2	1.0	3.7	1.4														58	58	79	35
32/ 31		1.0	4.0	2.4	.3													77	77	69	45
30/ 29	.2	1.1	2.3	1.7														49	49	78	41
28/ 27		1.0	2.0	1.0														37	37	57	53
26/ 25		1.4	2.0	.6														38	38	52	56
24/ 23		1.5	1.9															32	32	50	44
22/ 21		1.3	.6															18	18	39	53
20/ 19		.4	.4															8	8	31	45
18/ 17		.1	.1															2	2	7	42
16/ 15																				3	32
14/ 13																				1	48
12/ 11																					29
10/ 9																					28
8/ 7																					15
6/ 5																					9
2/ 1																					2

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | DEC MONTH

 0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
0/ -1																					1
TOTAL	1.0	29.0	41.8	22.6	3.3	.9												930	930		930

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4756076	65056	70.0	14.863	930							
Dry Bulb	1553698	36758	39.5	10.419	930		26.1	.7				93
Wet Bulb	1313822	33550	36.1	10.555	930		38.7					93
Dew Point	1011136	28008	30.1	13.433	930	.1	54.3					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 73-75 YEARS | DEC MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73				.2														2	2		
72/ 71			.2	.1	.1													4	4		
70/ 69			.2	.2														4	4		
68/ 67			.1	.1	.3													5	5	5	
66/ 65		.3		.4	.1													8	8	3	3
64/ 63		.5	.2	.4	.1	.3												15	15	6	6
62/ 61	.1	.8	.6	.2	.1	.3												20	20	7	7
60/ 59		.6	.4	.8	.2													19	19	19	8
58/ 57		.1	.6	.6	.6	.1	.1											21	21	17	6
56/ 55		.3	1.2	.5	.5	.3												27	27	12	20
54/ 53		.9	1.5	1.0	.6	.6	.1											44	44	18	7
52/ 51		1.0	1.4	1.0	.4	.3	.1											39	39	36	13
50/ 49	.1	1.5	2.5	1.2	.3	.9	.1											61	61	32	30
48/ 47	.1	2.0	1.6	1.9	1.4	1.2												77	77	56	45
46/ 45	.1	1.8	2.3	1.9	2.4	.5	.1											85	85	54	35
44/ 43		2.3	2.0	2.0	2.0	1.0												87	87	50	30
42/ 41	.1	.6	1.3	2.7	2.8	.6												77	77	72	51
40/ 39		1.2	1.0	2.0	1.5	.2												55	55	68	39
38/ 37		.1	2.0	1.9	2.0	.1												58	58	69	37
36/ 35		.2	1.4	1.6	1.9													48	48	55	49
34/ 33		.3	1.3	2.9	1.1													52	52	81	32
32/ 31		1.0	1.7	1.9	1.5													57	57	48	38
30/ 29		.5	1.4	1.3	.4													34	34	64	49
28/ 27		.2	.9	.9														18	18	56	55
26/ 25			.4	.3														7	7	51	58
24/ 23			.4	.1														5	5	24	42
22/ 21			.1															1	1	12	40
20/ 19																				3	39
18/ 17																				2	45
16/ 15																					49
14/ 13																					27
12/ 11																					22
10/ 9																					18
8/ 7																					13

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1968 O-310-

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13706 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | DEC MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 2o	27 - 28	29 - 30	≥ 31				
6/ 5																					9
4/ 3																					5
2/ 1																					2
0/ -1																					1
TOTAL	.5	16.3	26.9	28.4	20.6	6.7	.5											930	930	930	930

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3907827	58227	62.6	10.802	930							
Dry Bulb	1887868	40884	44.0	9.597	930		12.2	1.5	.2			93
Wet Bulb	1504161	36247	39.0	9.920	930		26.0	.5				93
Dew Point	1081101	29095	31.3	13.562	930	.1	51.2					93

FORM 0-26-5 (OL A) JUL 64 USAFETAC REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1978-257-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13707 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-78 YEARS | DEC MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dr. Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
78/ 77					.1														1	1		
76/ 75					.2														2	2		
74/ 73				.1															1	1		
72/ 71			.1	.1	.1		.1												4	4		
70/ 69			.1	.5	.3	.1	.1	.1											12	12	1	
68/ 67			.4	.3	.5	.4	.3		.3										22	22	5	
66/ 65			.2	.1	.3	.5	.2	.2											15	15	4	1
64/ 63			.1	.2	.2	.2	.1	.1		.1									10	10	6	7
62/ 61		.1	.3	.6	.6	.3	.2	.2	.1										24	24	9	8
60/ 59		.1	.9	.4	.8	.6	.6	.3											35	35	10	3
58/ 57		.4	.5	.5	.6	1.0	.5	.3											38	38	16	4
56/ 55		.6	.4	.8	.9	.6	.8	.1											40	40	28	10
54/ 53		.5	1.0	.4	.4	1.6	.9	.3											54	54	29	18
52/ 51		.9	1.2	1.4	.6	1.4	.4	.1											56	56	30	26
50/ 49	.2	1.6	1.9	1.9	.8	2.3	1.2												92	92	58	25
48/ 47		1.8	1.2	1.9	1.2	1.5	.3	.3											79	79	56	34
46/ 45		1.3	1.2	1.6	2.7	2.0	.6												88	88	66	40
44/ 43		.8	.8	2.0	.8	1.8	.4												61	61	69	45
42/ 41		.4	1.5	1.0	1.3	2.4	.1												57	62	60	41
40/ 39	.1	.3	1.1	1.0	2.2	1.1													55	55	62	42
38/ 37		.2	.8	1.4	2.9	.3													52	52	65	39
36/ 35			.3	1.4	1.8	.1													34	34	45	37
34/ 33			1.0	1.4	1.7														38	38	62	41
32/ 31		.2	.6	1.0	1.5														31	31	59	42
30/ 29		.4	.3	.4	.3														14	14	52	61
28/ 27			.2	.3	.1														6	6	38	48
26/ 25			.3																3	3	39	43
24/ 23																					10	44
22/ 21																					7	25
20/ 19																						48
18/ 17																						55
16/ 15																						46
14/ 13																						27
12/ 11																						17

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-76 YEARS | DEC MONTH

PAGE 2 | 1200-1400 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
10/ 9																					15
8/ 7																					21
6/ 5																					8
4/ 3																					4
2/ 1																					1
0/ -1																					2
TOTAL	.3	10.0	17.1	21.0	23.2	18.6	7.0	1.2	.4	.1								928	929	928	928

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3200539	51861	55.9	18.060	928							
Dry Bulb	2172610	44014	47.4	9.700	929		5.4	4.2	.4			93
Wet Bulb	1627471	37841	40.6	7.544	928		20.5	.6				93
Dew Point	1078339	29045	31.3	13.513	928	.2	50.8					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1977-703-2-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 73-78,73-78 YEARS | DEC MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73					.2													2	2		
72/ 71			.2	.1	.1			.1										5	5		
70/ 69			.1	.5	.2		.2	.1										11	11		
68/ 67				.4	.1	.4	.4	.1										14	14	2	
66/ 65		.1	.1	.1	.4	.1	.1	.1				.1						11	11	4	
64/ 63		.1		.3	.5	.3	.2			.1								15	15	10	4
62/ 61			.1	.3	.4	.4	.2	.1	.2									17	17	5	7
60/ 59		.4	.6	.5	.6	.6	.6	.4	.1									41	41	5	8
58/ 57		.2	.3	.2	.6	.8	.5											25	25	22	1
56/ 55		.5	1.4	.5	.4	.1	.4	.3										35	35	20	11
54/ 53	.3	.5	.6	.8	1.0	.4	.9	.1										43	43	26	17
52/ 51	.2	1.5	2.0	1.1	1.0	.6	.8	.6										74	74	43	18
50/ 49	.1	1.8	1.8	2.3	.9	1.2	.9	.3										86	87	43	29
48/ 47		1.4	2.0	1.4	.9	1.8	.8	.1										87	87	69	38
46/ 45		1.0	1.2	1.8	2.3	1.1	.5											73	73	55	40
44/ 43		1.1	1.7	1.9	2.3	1.3	.2											79	79	81	45
42/ 41		.8	1.7	1.5	1.0	1.9	.1											65	65	60	37
40/ 39	.3	.2	.8	1.4	2.4	.9												55	55	69	58
38/ 37	.1		.4	1.4	2.6	1.0												51	51	87	44
36/ 35		.3	1.5	1.4	2.2	.3												53	53	58	44
34/ 33			.9	1.0	1.6	.1												33	33	52	40
32/ 31		.2	.6	1.2	.6													25	25	69	44
30/ 29		.5	.4	.5	.5													19	19	51	27
28/ 27			.2	.5														7	7	45	49
26/ 25				.3														3	3	33	48
24/ 23																				12	46
22/ 21																				8	40
20/ 19																					34
18/ 17																					40
16/ 15																					56
14/ 13																					34
12/ 11																					19
10/ 9																					14
8/ 7																					15

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-79, 73-78 YEARS | DEC MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
6/ 5																					12
4/ 3																					7
0/ -1																					3
TOTAL	1.	11	0.	8	20.	0	71.	6	22.	6	13.	7	7.	0	2.	2	.3	.1	.1								
																			929		929	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3390691	53311	57.4	6.898	929							
Dry Bulb	2110068	43424	46.7	9.423	930		5.4	3.2	.2			93
Wet Bulb	1597052	37528	40.4	9.346	929		21.8	.2				93
Dew Point	1075097	29003	31.2	13.520	929	.3	48.9					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 — STATION
LANGLEY AFB, VA — STATION NAME
67-70, 73-78 — YEARS
DEC — MONTH
PAGE 1
1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.3	.3														6	6		
68/ 67		.1	.1	.4														6	6		
66/ 65		.1		.2		.3	.1											7	7	4	
64/ 63		.2	.2	.2	.1	.2		.1										10	10	8	6
62/ 61		.2	.4	.4	.5		.1											16	16	4	4
60/ 59		.3	.2	.5	.1			.1										12	12	7	4
58/ 57	.1	.3	.5	.2	.3		.3											17	17	11	7
56/ 55		.9	1.0	.5	.3	.3	.1											29	29	16	8
54/ 53	.2	1.2	.5	.8	.8													32	32	26	14
52/ 51		1.2	1.7	1.5	.2	.3	.1											47	47	22	18
50/ 49	.1	2.0	1.7	1.5	.8	.5	.4											66	66	41	26
48/ 47	.2	1.5	2.8	1.3	.6	.6	.3											70	70	40	39
46/ 45	.3	2.3	2.0	1.0	2.0	1.2	.2											84	84	65	34
44/ 43		1.8	3.8	2.5	2.0	.4	.1											99	99	66	20
42/ 41		1.6	2.8	.6	1.2	.5												83	63	87	60
40/ 39		1.7	1.9	3.0	1.7	.1												79	79	83	43
38/ 37	.3	.2	1.2	1.9	2.5	.2												59	59	81	58
36/ 35		.9	1.7	2.2	1.1	.4												58	58	57	62
34/ 33		.5	1.2	1.3	1.3													40	40	70	35
32/ 31		.4	1.9	3.1	.5													56	56	54	38
30/ 29		.5	1.3	1.7	.3													36	36	60	39
28/ 27			1.4	1.0														22	22	53	48
26/ 25			.5	.4														9	9	47	44
24/ 23		.1	.4															5	5	30	36
22/ 21																				14	52
20/ 19																				7	36
18/ 17																					39
16/ 15																					48
14/ 13																					29
12/ 11																					24
10/ 9																					21
8/ 7																					7
6/ 5																					11
4/ 3																					5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-78 YEARS | DEC MONTH

 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9 10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
2/ 1																						6
0/ -1																						1
TOTAL	1.3	18.2	29.8	26.7	16.6	5.3	1.8	.2											928	928	928	928

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F			≥ 93 F	Total
Rel. Hum.	4066193	59211	63.8	17.633	928							
Dry Bulb	1818315	40191	43.3	9.154	928		12.6	1.2				93
Wet Bulb	1460346	35760	38.5	9.425	928		26.6					93
Dew Point	1056626	28812	31.0	13.273	928	.1	48.5					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 77-78, 73-78 YEARS | DEC MONTH

2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71				.1														1	1		
70/ 69			.2	.2														4	4		
68/ 67		.1	.1	.1														3	3		
66/ 65		.1		.1	.1	.2												5	5	4	2
64/ 63	.1	.3		.3	.2													9	9	7	3
62/ 61		.3	.2	.8	.2													14	14	2	7
60/ 59		.6	1.0		.1	.1												17	17	6	4
58/ 57	.1	1.0	1.0	.2	.4	.3	.1											29	29	14	3
56/ 55		1.0	.9	.1		.1												19	19	28	11
54/ 53		1.3	.4	1.0	.9													33	33	31	21
52/ 51	.3	1.1	1.8	.3		.2												33	33	16	32
50/ 49		2.0	1.3	1.1														43	43	30	25
48/ 47		1.8	2.3	1.0	.6	.2												55	55	49	25
46/ 45		2.8	1.7	1.2	1.6	.6	.2											76	76	39	30
44/ 43		2.4	2.6	1.5	1.0	.2	.1											71	71	57	23
42/ 41		2.2	3.0	1.5	1.5	.6												82	82	49	53
40/ 39	.1	1.8	2.4	2.5	1.1	.2												75	75	82	47
38/ 37		1.2	2.2	2.2	.9													59	59	71	50
36/ 35	.5	.9	1.9	3.2	1.1	.3												74	74	58	58
34/ 33		.9	2.5	2.0	.6													56	56	75	49
32/ 31		.5	2.0	3.2	.1													55	55	57	31
30/ 29		.5	2.9	2.3														53	53	72	44
28/ 27		.5	1.4	1.0														27	27	51	39
26/ 25		.3	1.3	.4														19	19	63	40
24/ 23			.8	.2														9	9	34	34
22/ 21		.2	.2	.1														5	5	13	60
20/ 19		.1																1	1	15	41
18/ 17																				4	48
16/ 15																					36
14/ 13																					33
12/ 11																					32
10/ 9																					17
8/ 7																					6
6/ 5																					11

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1978-260-760/2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13701 — STATION
LANGLEY AFB,VA — STATION NAME
7-7,,73-76 — YEARS
DEC — MONTH
PAGE 2
2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 3																					4
2/ 1																					5
0/ -1																					3
TOTAL	1.2	24.1	34.1	26.5	10.5	3.2	.4												927		927
																		927		927	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4407702	61982	66.9	16.860	927							
Dry Bulb	1706636	38768	41.8	9.599	927		17.0	.6				93
Wet Bulb	1409607	34943	37.7	9.937	927		31.0					93
Dew Point	1056320	28696	31.0	13.470	927	.3	48.6					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972 O-759-010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13706 STATION | LANGLEY AFB, VA STATION NAME | 7-76, 73-78 YEARS | DEC MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
78/ 77					.0														1	1		
76/ 75					.0														2	2		
74/ 73				.0	.0														5	5		
72/ 71			.1	.1	.0		.0	.0											14	14		
70/ 69			.2	.3	.1	.0	.0	.0											46	46	1	
68/ 67		.1	.1	.2	.1	.1	.1	.0	.0										59	59	13	
66/ 65		.2	.1	.2	.1	.2	.1	.0				.0							68	68	30	11
64/ 63	.0	.2	.1	.3	.2	.1	.0	.0		.0									74	74	54	37
62/ 61	.1	.4	.3	.4	.3	.1	.1	.0	.0										138	138	47	50
60/ 59	.3	.6	.7	.5	.3	.2	.2	.1	.0										189	189	75	47
58/ 57	.0	.7	.8	.3	.4	.3	.2	.0											201	201	125	46
56/ 55	.0	.7	.9	.4	.3	.2	.2	.1											207	207	184	105
54/ 53	.1	.9	1.1	.6	.6	.3	.2	.1											288	288	193	132
52/ 51	.1	1.0	1.5	.9	.4	.4	.2	.1											330	330	207	157
50/ 49	.1	1.0	1.7	1.2	.4	.7	.3	.0											453	454	273	203
48/ 47	.0	1.9	2.0	1.3	.6	.7	.2	.1											508	509	375	263
46/ 45	.1	2.0	1.5	1.3	1.0	.6	.2												544	544	397	277
44/ 43	.1	2.2	2.2	1.8	1.3	.7	.1												618	618	464	298
42/ 41	.1	1.6	2.3	1.4	1.1	.5	.0												545	545	465	350
40/ 39	.2	1.4	1.8	2.2	1.3	.3													533	533	567	365
38/ 37	.1	.8	1.6	2.1	1.7	.2													480	480	568	438
36/ 35	.1	.9	2.0	2.2	1.1	.1													479	479	463	376
34/ 33	.1	.7	2.0	1.9	.9	.0													407	407	531	321
32/ 31	.1	.6	2.1	2.1	.6														426	426	513	347
30/ 29	.1	.7	1.6	1.5	.2														307	307	540	355
28/ 27	.0	.4	1.4	.9	.0														205	205	410	372
26/ 25		.3	1.3	.4															150	150	384	374
24/ 23		.4	.7	.1															87	87	259	346
22/ 21	.0	.3	.3	.1															57	52	172	383
20/ 19		.1	.1																13	13	89	343
18/ 17		.0	.0																3	3	27	345
16/ 15																					5	335
14/ 13																					1	277
12/ 11																						220

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF, TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-7[illegible],73-78 YEARS | DEC MONTH

PAGE 2 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
10/ 9																					147
8/ 7																					104
6/ 5																					72
4/ 3																					34
2/ 1																					20
0/ -1																					15
-2/ -3																					1
TOTAL	1320	530	224	14.0	0.3	2.1	.6	.1	.0		.0							7432	7434	7432	7432

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	33001413	477675	64.3	17.593	7432							
Dry Bulb	14468969	319089	42.9	10.196	7434		124.4	12.7	.8			744
Wet Bulb	11612268	284024	38.2	10.099	7432		240.3	1.4				744
Dew Point	8420462	229234	30.8	13.478	7432	1.6	409.4					744

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1974-720-510

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB, VA STATION NAME | 7-70, 73-79 YEARS | ALL MONTH | ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99												.0						1	1		
98/ 97										.0	.0	.0						12	12		
96/ 95						.0	.0	.0	.0	.0	.0							70	70		
94/ 93					.0	.0	.0	.1	.1	.0	.0	.0	.0					168	168		
92/ 91				.0	.0	.0	.1	.1	.1	.0	.0	.0						367	367		
90/ 89				.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0			633	633		
88/ 87			.0	.0	.1	.2	.4	.2	.1	.0	.0	.0	.0	.0				927	927		
86/ 85			.0	.1	.3	.5	.3	.2	.1	.1	.0	.0	.0	.0				1326	1326	8	
84/ 83		.0	.1	.3	.5	.4	.3	.2	.1	.1	.0	.0	.0					1701	1701	33	9
82/ 81		.0	.2	.5	.6	.4	.3	.2	.1	.1	.0	.0	.0					2326	2326	111	19
80/ 79	.0	.1	.5	.9	.6	.5	.2	.2	.1	.0	.0	.0	.0					2994	2994	626	93
78/ 77	.0	.3	.8	1.0	.7	.4	.3	.2	.1	.1	.0	.0						3445	3445	1557	364
76/ 75	.1	.7	1.3	1.2	.8	.5	.4	.3	.1	.0	.0	.0	.0					4663	4663	2964	1228
74/ 73	.1	1.0	1.3	1.1	.6	.5	.3	.2	.1	.1	.0	.0	.0					4560	4562	4547	2591
72/ 71	.1	.9	1.3	.7	.6	.4	.3	.1	.1	.0	.0	.0						3973	3973	4463	3478
70/ 69	.1	.8	1.3	.8	.6	.4	.2	.2	.1	.0	.0	.0						3962	3962	4346	4536
68/ 67	.1	.8	1.1	.7	.5	.4	.2	.1	.1	.0	.0	.0						3456	3457	4265	3684
66/ 65	.1	.9	.9	.7	.5	.3	.2	.1	.1	.0	.0	.0						3356	3357	4111	3867
64/ 63	.1	.8	.8	.7	.5	.3	.2	.1	.1	.0								3107	3110	4161	3561
62/ 61	.1	.8	.8	.7	.4	.3	.2	.1	.1	.0	.0							3074	3075	3585	3343
60/ 59	.1	.8	.9	.7	.4	.4	.2	.1	.1	.0	.0							3262	3265	3485	3546
58/ 57	.1	.7	.8	.6	.5	.3	.2	.1	.0	.0								2977	2979	3389	3297
56/ 55	.1	.6	.7	.6	.4	.4	.2	.1	.0	.0								2693	2694	3140	3346
54/ 53	.1	.6	.6	.6	.5	.3	.2	.1	.0									2757	2757	2915	2979
52/ 51	.1	.5	.8	.5	.4	.3	.2	.1	.0									2611	2614	2652	2655
50/ 49	.1	.6	.8	.7	.5	.4	.2	.0	.0									3022	3026	3143	2771
48/ 47	.1	.8	.7	.8	.5	.3	.1	.0										2974	2976	3056	2627
46/ 45	.1	.8	.9	.6	.6	.3	.1	.0										2943	2948	3026	2767
44/ 43	.1	.8	.8	.6	.5	.3	.1	.0										2771	2771	3018	2500
42/ 41	.0	.7	.8	.6	.5	.2	.0	.0										2450	2451	3222	2637
40/ 39	.1	.7	.7	.8	.4	.2	.0											2576	2576	2948	2601
38/ 37	.0	.5	.6	.7	.4	.1	.0											2081	2081	2676	2475
36/ 35	.0	.5	.7	.7	.4	.1												2027	2027	2468	2573
34/ 33	.0	.5	.8	.6	.3	.0												1871	1873	2544	2158

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13702 STATION | LANGLEY AFB,VA STATION NAME | 7-70,73-79 YEARS | ALL MONTH | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
32/ 31	.0	.0	.7	.6	.2	.0												1893	1895	2227	2302
30/ 29	.0	.3	.7	.5	.1													1405	1405	2227	2227
28/ 27	.0	.3	.5	.4	.0													1042	1042	1766	2054
26/ 25	.0	.2	.5	.2	.0													811	811	1669	2050
24/ 23	.0	.1	.3	.1														404	404	1219	1728
22/ 21	.0	.1	.3	.0														380	380	821	1805
20/ 19		.1	.2	.0														229	229	499	1656
18/ 17		.0	.1	.0														116	116	295	1347
16/ 15	.0	.0	.0															82	82	192	1247
14/ 13		.0	.0															34	34	99	1059
12/ 11		.0	.0															17	17	48	951
10/ 9		.0	.0															25	25	25	774
8/ 7		.0																10	10	29	522
6/ 5																				9	373
4/ 3																					304
2/ 1																					229
0/ -1																					109
-2/ -3																					117
-4/ -5																					54
-6/ -7																					43
-8/ -9																					17
-10/-11																					10
-12/-13																					1
TOTAL	1.7	18.3	24.4	20.2	13.9	9.3	5.7	3.5	1.8	.8	.3	.1	.0	.0	.0			87617		87584	
																		87584		87584	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	429364299	5937903	67.8	17.491	87584							
Dry Bulb	329875864	5167712	59.0	16.919	87617		644.1	3459.0	2319.8	699.2	25.1	8760
Wet Bulb	270034611	4659683	53.2	15.895	87584		1111.6	2297.4	984.7	33.5		8760
Dew Point	228916730	4165938	47.6	18.742	87584	35.0	2096.9	1670.4	430.4	5.1		8760

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GOVERNMENT PRINTING OFFICE: 1972-0-470-570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 77-79 (YEARS)

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	36.3	36.8	45.7	53.6	61.0	69.9	73.9	74.2	67.9	57.3	48.6	40.8	55.6
	S D	11.109	10.323	9.600	8.548	7.272	5.588	4.242	4.870	6.617	8.766	10.106	10.121	15.812
	TOTAL OBS	929	846	930	900	930	900	930	930	900	930	900	930	10955
03-05	MEAN	35.3	35.5	44.3	52.0	59.6	68.3	72.5	73.0	66.7	56.0	47.3	39.9	54.3
	S D	11.312	10.780	9.816	8.757	7.253	5.614	4.346	4.975	6.733	9.015	10.446	10.428	15.838
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
06-08	MEAN	34.4	34.9	44.5	53.8	62.4	71.5	75.0	74.8	68.0	56.9	47.3	39.5	55.4
	S D	11.394	10.286	9.891	8.556	7.064	5.185	4.076	4.808	6.445	8.876	10.514	10.419	16.780
	TOTAL OBS	930	846	930	898	930	900	930	930	898	930	900	930	10952
09-11	MEAN	38.5	40.0	50.2	60.2	68.3	77.3	80.4	80.7	74.3	63.5	53.7	44.0	61.0
	S D	10.931	10.473	10.519	9.308	7.747	5.763	4.789	5.097	6.253	7.626	9.628	9.597	17.113
	TOTAL OBS	930	846	930	899	930	900	930	930	898	930	898	930	10951
12-14	MEAN	42.3	44.2	54.2	63.9	71.4	80.0	83.3	83.8	77.2	66.7	57.5	47.4	64.4
	S D	11.511	11.386	11.684	10.391	8.507	6.348	5.694	5.928	7.034	8.026	10.241	9.700	17.136
	TOTAL OBS	926	846	920	899	930	900	930	930	900	930	900	929	10952
15-17	MEAN	42.1	44.6	54.1	63.6	71.0	79.4	82.8	82.8	76.5	65.7	56.4	46.7	63.9
	S D	11.407	11.389	11.393	10.216	8.487	6.417	5.975	6.005	6.826	7.869	10.102	9.423	16.912
	TOTAL OBS	928	846	930	899	930	900	930	930	900	930	900	930	10953
18-20	MEAN	38.9	40.7	50.1	59.1	66.9	75.8	79.2	78.9	72.2	61.1	52.1	43.3	60.0
	S D	10.648	10.488	10.009	9.252	7.915	6.113	5.191	5.278	6.390	7.892	9.732	9.154	16.508
	TOTAL OBS	930	842	929	899	930	900	930	930	900	930	900	928	10949
21-23	MEAN	37.2	38.6	47.6	55.7	63.3	72.2	75.9	76.1	69.3	58.7	49.8	41.8	57.3
	S D	10.611	10.113	9.475	8.434	7.315	5.478	4.265	4.754	6.533	8.539	9.858	9.599	15.948
	TOTAL OBS	930	843	930	899	930	900	930	930	900	930	900	927	10949
ALL HOURS	MEAN	38.1	39.4	48.8	57.7	65.5	74.3	77.9	78.0	71.5	60.7	51.6	42.9	59.0
	S D	11.433	11.143	10.973	10.178	8.804	7.147	6.207	6.486	7.649	9.203	10.751	10.196	16.919
	TOTAL OBS	7435	6762	7435	7193	7440	7200	7440	7440	7196	7440	7198	7434	87617

USAFETAC FORM JUL 64 0 89-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13707 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-79 (YEARS)

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	33.0	32.9	41.2	48.5	57.2	66.1	69.9	70.3	64.1	53.6	44.7	36.9	51.6
	S D	11.241	9.743	9.446	8.256	7.251	5.634	4.289	4.765	6.736	9.095	10.419	10.336	15.820
	TOTAL OBS	929	846	925	900	930	900	930	930	900	930	900	930	10950
03-05	MEAN	32.3	31.9	40.4	47.6	56.3	65.3	69.2	69.7	63.4	52.7	43.7	36.3	50.8
	S D	11.463	9.857	9.823	8.681	7.500	5.776	4.413	4.864	6.817	9.331	10.671	10.582	15.963
	TOTAL OBS	930	846	927	900	930	900	930	930	899	930	900	930	10952
06-08	MEAN	31.7	31.5	40.7	48.8	57.9	67.2	70.6	70.7	64.3	53.4	43.8	36.1	51.5
	S D	11.537	9.948	9.965	8.565	7.287	5.192	4.190	4.647	6.452	9.208	10.719	10.555	16.514
	TOTAL OBS	918	846	927	898	930	900	930	930	897	930	900	930	10946
09-11	MEAN	34.4	34.7	44.0	51.9	60.6	69.3	72.5	73.0	66.9	56.9	47.8	39.0	54.4
	S D	11.003	9.670	9.978	8.621	7.366	5.396	4.542	4.670	6.069	8.315	10.020	9.520	16.040
	TOTAL OBS	929	846	927	899	928	900	930	930	898	930	898	930	10945
12-14	MEAN	36.5	37.1	46.0	53.4	61.6	69.9	73.2	73.6	67.6	57.9	49.4	40.8	55.7
	S D	11.072	9.708	9.897	8.597	7.282	5.561	4.847	4.755	6.136	8.222	9.955	9.544	15.520
	TOTAL OBS	928	846	929	899	929	900	930	930	900	929	900	928	10948
15-17	MEAN	36.4	37.3	45.8	53.1	61.4	69.4	73.0	73.0	67.2	57.4	48.7	40.4	55.4
	S D	10.722	9.472	9.375	8.141	7.045	5.384	4.639	4.620	6.136	8.116	9.889	9.346	15.315
	TOTAL OBS	928	845	930	898	929	900	930	930	900	930	900	929	10949
18-20	MEAN	34.6	35.2	43.8	51.2	59.8	68.3	71.8	71.8	65.8	55.6	46.7	38.5	53.7
	S D	10.503	9.377	9.014	7.853	6.962	5.522	4.430	4.503	6.361	8.423	10.026	9.425	15.546
	TOTAL OBS	929	843	929	899	930	900	930	930	900	930	900	928	10948
21-23	MEAN	33.5	34.1	42.5	49.8	58.5	67.1	70.9	71.1	64.8	54.3	45.4	37.7	52.6
	S D	10.653	9.443	9.166	7.960	7.021	5.418	4.165	4.583	6.573	8.866	10.181	9.937	15.669
	TOTAL OBS	930	843	927	899	930	900	930	930	900	930	900	927	10946
ALL HOURS	MEAN	34.0	34.3	43.0	50.6	59.2	67.8	71.4	71.6	65.5	55.2	46.3	38.2	53.2
	S D	11.150	9.868	9.808	8.582	7.453	5.700	4.648	4.861	6.581	8.902	10.442	10.099	15.895
	TOTAL OBS	7431	6761	7421	7192	7436	7200	7440	7440	7194	7439	7198	7432	87584

USAFETAC FORM JUL 64 0 89 5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13702 — STATION
LANGLEY AFB, VA — STATION NAME
67-70, 73-79 — YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	26.4	25.5	35.1	43.1	54.2	63.7	67.9	68.3	61.7	50.2	39.6	30.6	47.3
	S D	14.801	12.769	12.246	10.375	9.444	6.574	5.146	5.630	7.734	10.802	13.064	13.548	18.579
	TOTAL OBS	929	846	925	900	930	900	930	930	900	930	900	930	10950
03-05	MEAN	25.8	24.8	34.8	42.9	53.5	63.5	67.4	67.9	61.2	49.6	39.0	30.3	46.8
	S D	14.934	12.693	12.588	10.718	9.856	6.579	5.201	5.583	7.775	10.906	13.051	13.546	18.663
	TOTAL OBS	930	846	927	900	930	900	930	930	899	930	900	930	10952
06-08	MEAN	25.6	24.7	35.1	43.5	54.4	64.7	68.3	68.6	61.9	50.2	39.2	30.1	47.3
	S D	14.757	12.749	12.776	10.874	9.936	6.701	5.311	5.555	7.481	10.847	12.975	13.433	18.994
	TOTAL OBS	928	846	927	898	930	900	930	930	897	930	900	930	10946
09-11	MEAN	26.6	25.5	36.2	43.8	55.0	64.8	68.6	69.3	62.5	51.3	41.0	31.3	48.1
	S D	14.928	13.224	13.437	11.575	9.598	6.970	6.121	5.909	7.621	11.136	13.441	13.562	18.997
	TOTAL OBS	929	846	927	899	928	900	930	930	898	930	898	930	10945
12-14	MEAN	26.8	25.8	36.3	43.9	54.8	64.4	68.4	68.7	61.9	50.6	40.6	31.3	47.9
	S D	15.288	13.701	13.446	11.640	9.770	7.362	6.510	6.028	7.752	11.367	13.795	13.913	18.942
	TOTAL OBS	928	846	929	899	929	900	930	930	900	929	900	928	10948
15-17	MEAN	26.7	25.8	36.1	43.5	54.6	64.0	68.2	68.4	61.8	50.4	40.1	31.2	47.7
	S D	14.782	13.289	12.925	11.100	9.428	7.273	6.232	5.916	7.900	11.332	13.836	13.520	18.761
	TOTAL OBS	928	845	930	898	929	900	930	930	900	930	900	929	10949
18-20	MEAN	26.7	25.9	35.8	43.4	54.5	63.9	68.1	68.3	61.8	50.7	40.3	31.0	47.7
	S D	14.388	12.857	12.222	10.488	8.836	7.103	5.871	5.709	7.809	10.791	13.255	13.223	18.499
	TOTAL OBS	929	843	929	899	930	900	930	930	900	930	900	928	10948
21-23	MEAN	26.4	26.2	35.9	43.8	54.8	64.1	68.3	68.5	61.9	50.4	39.8	31.0	47.7
	S D	14.263	12.488	12.083	10.247	8.301	6.671	5.254	5.551	7.636	10.732	13.013	13.470	18.468
	TOTAL OBS	930	843	927	899	930	900	930	930	900	930	900	927	10946
ALL HOURS	MEAN	26.4	25.5	35.7	43.5	54.5	64.1	68.1	68.5	61.8	50.4	40.0	30.8	47.6
	S D	14.769	12.955	12.731	10.888	9.041	6.869	5.735	5.748	7.718	10.995	13.315	13.478	18.742
	TOTAL OBS	7431	6761	7421	7192	7436	7200	7440	7440	7194	7439	7198	7432	87584

USAFETAC FORM JUL 64 0 89-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 68-70,73-79 (PERIOD) JAN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (I S T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.7	95.0	83.0	66.7	45.6	27.1	10.5	68.6	929
	03-05	100.0	100.0	99.9	96.6	84.7	67.1	48.4	31.3	10.4	69.6	930
	06-08	100.0	100.0	99.8	98.0	88.8	71.4	51.0	31.1	12.8	71.0	928
	09-11	100.0	100.0	98.9	91.2	72.7	52.9	37.1	22.5	9.5	64.2	929
	12-14	100.0	100.0	94.2	75.2	54.7	38.5	27.5	16.2	5.3	56.9	928
	15-17	100.0	100.0	93.2	75.6	56.4	40.7	28.2	15.2	3.9	57.0	928
	18-20	100.0	100.0	98.3	88.3	71.8	52.2	37.4	21.7	7.2	63.5	929
	21-23	100.0	100.0	99.6	92.8	78.2	61.7	42.8	24.3	9.9	66.6	930
TOTALS		100.0	100.0	98.0	89.1	73.8	56.4	39.8	23.7	8.7	64.7	7431

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 65-70,73-79 (PERIOD) FEB (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.5	94.1	78.1	56.7	38.4	23.2	6.7	65.2	846
	03-05	100.0	100.0	99.6	96.1	82.6	60.7	40.3	24.2	7.8	66.6	846
	06-08	100.0	100.0	99.9	95.6	84.9	64.1	40.5	25.5	7.6	67.4	846
	09-11	100.0	99.8	96.5	80.6	60.2	41.0	29.3	17.5	6.1	58.7	846
	12-14	100.0	98.3	83.1	63.2	45.2	33.0	23.5	13.9	5.0	52.1	846
	15-17	100.0	98.1	79.4	63.3	46.4	33.1	21.5	13.3	3.8	51.5	845
	18-20	100.0	99.4	93.0	78.8	61.2	42.9	27.8	16.3	5.5	58.4	843
	21-23	100.0	99.9	98.3	89.8	71.5	52.9	32.6	21.5	7.8	63.0	843
TOTALS		100.0	99.4	93.7	82.7	66.3	48.0	31.7	19.7	6.3	60.4	6761

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 PERIOD | MAR MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AR	00-02	100.0	100.0	99.5	94.2	83.[illegible]	68.0	47.5	24.3	7.0	68.1	929
	03-05	100.0	100.0	99.7	94.2	86.[illegible]	73.6	54.9	29.2	8.1	70.6	927
	06-08	100.0	100.0	100.0	96.0	85.8	74.3	56.1	31.8	8.2	70.9	927
	09-11	100.0	99.9	97.2	83.8	65.0	47.9	34.1	20.3	7.1	61.4	927
	12-14	100.0	98.[illegible]	87.8	69.9	49.2	35.8	25.9	14.5	6.6	54.6	929
	15-17	100.0	98.3	85.5	69.8	49.3	36.8	25.2	16.1	5.8	54.5	930
	18-20	100.0	99.7	94.5	82.7	66.[illegible]	48.2	34.2	19.3	6.5	61.0	929
	21-23	100.0	100.0	98.8	91.4	78.[illegible]	58.9	42.8	22.8	6.4	65.8	927
TOTALS		100.0	99.6	95.4	85.5	70.7	55.4	40.1	22.3	7.0	63.4	7421

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.3	96.2	88.7	71.8	48.6	21.2	4.7	68.9	900
	03-05	100.0	100.0	99.9	98.9	91.7	78.0	57.8	32.1	7.3	72.3	900
	06-08	100.0	100.0	99.9	98.1	87.3	71.6	50.0	25.2	5.7	69.5	898
	09-11	100.0	100.0	97.2	82.6	56.7	37.4	22.0	7.8	2.1	56.8	899
	12-14	100.0	99.8	89.1	66.9	44.0	27.1	17.1	7.8	1.8	50.9	899
	15-17	100.0	99.4	86.4	65.1	44.0	30.6	16.8	7.2	1.2	50.8	898
	18-20	100.0	99.7	95.3	82.8	63.0	45.2	28.4	12.1	3.0	58.5	899
	21-23	100.0	100.0	99.0	95.9	83.6	62.7	37.6	17.9	4.7	65.9	899
TOTALS		100.0	99.9	95.8	85.8	70.1	53.1	34.8	16.7	3.8	61.7	7192

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 PERIOD | MAY MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AY	00-02	100.0	100.0	100.0	99.9	96.6	91.6	77.3	50.0	15.1	79.0	930
	03-05	100.0	100.0	100.0	99.8	98.1	93.2	82.7	54.1	19.7	80.7	930
	06-08	100.0	100.0	100.0	100.0	96.0	86.1	67.2	41.1	12.3	76.1	930
	09-11	100.0	100.0	99.7	93.6	78.6	56.3	34.5	18.6	4.2	64.1	928
	12-14	100.0	100.0	98.1	82.7	64.0	41.3	22.3	12.8	2.6	58.0	929
	15-17	100.0	100.0	97.7	82.1	64.0	44.8	23.5	11.0	2.3	58.3	929
	18-20	100.0	100.0	99.8	95.1	79.6	61.5	42.0	22.5	3.8	66.1	930
	21-23	100.0	100.0	99.9	100.0	96.6	84.6	64.1	36.0	8.4	74.7	930
TOTALS		100.0	100.0	99.4	94.2	84.5	69.9	51.7	30.8	8.6	69.6	7436

USAFETAC FORM JUL 64 0-87-5 (OL A)

4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (PERIOD) JUN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.6	95.4	82.8	59.2	17.7	81.2	900
	03-05	100.0	100.0	100.0	100.0	99.7	98.0	89.6	73.2	29.0	84.7	900
	06-08	100.0	100.0	100.0	100.0	99.2	94.1	79.9	53.6	12.8	79.6	900
	09-11	100.0	100.0	99.8	98.9	89.1	64.6	37.0	14.2	2.4	66.2	900
	12-14	100.0	100.0	99.7	94.9	73.9	43.1	22.9	7.9	1.3	60.1	900
	15-17	100.0	100.0	99.8	93.7	74.8	43.4	26.1	11.8	2.7	60.8	900
	18-20	100.0	100.0	100.0	98.9	88.1	66.7	43.1	21.0	4.1	67.8	900
	21-23	100.0	100.0	100.0	100.0	97.9	89.2	66.0	40.8	9.8	76.1	900
TOTALS		100.0	100.0	99.9	98.3	90.3	74.3	56.2	35.2	10.0	72.1	7200

USAFETAC FORM JUL 54 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

4.

RELATIVE HUMIDITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 61-70,73-78 (PERIOD) JUL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.8	98.0	86.5	58.0	18.8	81.9	930
	03-05	100.0	100.0	100.0	100.0	99.7	98.4	91.9	69.8	25.7	84.3	930
	06-08	100.0	100.0	100.0	100.0	98.7	94.1	82.6	54.9	14.2	80.2	930
	09-11	100.0	100.0	99.9	98.7	90.3	71.3	43.7	18.4	2.5	68.2	930
	12-14	100.0	100.0	99.7	95.5	78.5	52.7	26.7	10.3	.9	62.1	930
	15-17	100.0	100.0	99.7	95.5	78.3	52.2	29.2	12.0	2.6	62.6	930
	18-20	100.0	100.0	100.0	98.7	91.8	71.9	49.0	25.5	5.8	69.9	930
	21-23	100.0	100.0	100.0	100.0	99.6	93.2	72.7	44.2	11.6	77.7	930
TOTALS		100.0	100.0	99.9	98.6	92.1	79.0	60.3	36.6	10.3	73.4	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-78 (PERIOD) AUG (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.9	99.3	97.8	87.1	61.3	20.5	82.0	930
	03-05	100.0	100.0	100.0	100.0	99.7	98.0	90.6	69.8	26.8	84.3	930
	06-08	100.0	100.0	100.0	100.0	98.7	96.1	85.5	59.5	20.0	81.6	930
	09-11	100.0	100.0	100.0	99.5	94.2	75.7	46.5	15.4	1.8	69.0	930
	12-14	100.0	100.0	100.0	97.7	81.0	50.3	23.1	6.3	1.6	61.5	930
	15-17	100.0	100.0	100.0	97.4	82.5	53.2	26.9	10.0	2.4	62.9	930
	18-20	100.0	100.0	100.0	100.0	94.3	78.3	49.9	23.4	5.9	70.7	930
	21-23	100.0	100.0	100.0	100.0	98.9	94.0	76.2	42.9	8.5	77.7	930
TOTALS		100.0	100.0	100.0	99.3	93.6	80.4	60.7	36.1	10.9	73.7	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 PERIOD | SEP MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	99.7	99.1	95.4	83.2	60.0	10.7	81.0	900
	03-05	100.0	100.0	100.0	100.0	98.6	95.3	88.1	66.0	24.0	82.9	899
	06-08	100.0	100.0	100.0	99.9	98.1	94.8	84.6	59.3	18.8	81.4	897
	09-11	100.0	100.0	100.0	99.9	90.1	71.6	40.5	13.4	3.0	67.4	898
	12-14	100.0	100.0	100.0	96.4	76.1	47.0	18.3	7.3	2.2	60.3	900
	15-17	100.0	100.0	99.9	96.3	79.0	50.7	23.7	8.1	1.4	61.4	900
	18-20	100.0	100.0	100.0	99.7	95.3	80.4	49.4	20.6	2.7	70.5	900
	21-23	100.0	100.0	100.0	100.0	99.2	94.1	75.2	43.7	8.7	77.7	900
TOTALS		100.0	100.0	100.0	99.0	92.0	78.7	57.9	34.8	9.7	72.8	7194

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 PERIOD | OCT MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.8	96.6	88.6	73.5	43.4	17.7	77.9	930
	03-05	100.0	100.0	100.0	99.9	98.0	92.0	76.7	49.4	21.8	79.9	930
	06-08	100.0	100.0	100.0	100.0	98.4	90.9	73.9	47.7	20.1	79.0	930
	09-11	100.0	100.0	99.7	95.5	83.0	59.6	36.9	19.5	5.1	65.7	930
	12-14	100.0	100.0	98.7	85.8	64.3	39.3	23.3	9.6	1.8	58.0	929
	15-17	100.0	100.0	98.2	86.2	67.1	45.2	27.1	12.4	2.6	59.5	930
	18-20	100.0	100.0	100.0	98.7	90.1	72.8	48.4	21.4	5.9	69.6	930
	21-23	100.0	100.0	100.0	99.7	95.5	84.6	65.3	33.4	10.0	74.7	930
TOTALS		100.0	100.0	99.6	95.7	86.0	71.6	53.1	29.6	10.6	70.5	7439

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 STATION | LANGLEY AFB,VA STATION NAME | 67-70,73-78 PERIOD | NOV MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.8	98.2	92.1	75.7	54.6	34.1	9.4	72.1	900
	03-05	100.0	100.0	99.9	99.2	93.0	80.1	59.1	37.4	11.4	73.9	900
	06-08	100.0	100.0	100.0	99.7	95.1	79.9	61.7	37.2	12.2	74.3	900
	09-11	100.0	100.0	99.7	92.4	73.3	53.1	34.6	19.6	3.7	63.7	898
	12-14	100.0	100.0	96.4	74.9	52.0	35.8	25.9	12.6	2.4	55.6	900
	15-17	100.0	100.0	95.6	76.3	55.8	41.4	27.4	13.8	3.3	56.9	900
	18-20	100.0	100.0	99.7	93.7	78.3	59.1	41.0	21.7	4.8	65.6	900
	21-23	100.0	100.0	100.0	97.4	87.7	68.2	49.6	28.9	7.8	69.7	900
TOTALS		100.0	100.0	98.9	91.5	78.4	61.7	44.2	25.7	7.1	66.5	7196

USAFETAC FORM JUL 64 0-87-5 (OL A)

4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 (STATION) LANGLEY AFB, VA (STATION NAME) 57-70, 73-78 (PERIOD) DEC (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.5	96.6	84.5	64.9	44.9	26.6	7.6	68.2	930
	03-05	100.0	100.0	100.0	98.2	88.0	67.6	48.6	28.1	6.9	69.5	930
	06-08	100.0	100.0	100.0	98.0	88.7	71.7	48.2	27.1	9.5	70.0	930
	09-11	100.0	100.0	99.9	90.5	71.2	53.0	33.5	17.7	5.4	62.6	930
	12-14	100.0	100.0	96.6	74.5	55.4	38.4	23.8	12.1	3.3	55.9	928
	15-17	100.0	99.9	95.2	75.6	58.2	42.5	27.7	12.4	4.6	57.4	929
	18-20	100.0	100.0	98.8	88.8	72.6	56.1	38.5	19.2	5.6	63.8	928
	21-23	100.0	100.0	99.4	93.7	81.6	62.2	43.7	24.7	7.9	66.9	927
TOTALS		100.0	100.0	98.7	89.5	75.0	57.1	38.6	21.0	6.6	64.3	7432

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 67-70,73-79 (PERIOD) ALL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.0	89.1	73.8	56.4	39.8	23.7	8.7	64.7	7431
FEB		100.0	99.4	93.7	82.7	66.4	48.0	31.7	19.7	6.3	60.4	6701
MAR		100.0	99.6	95.4	85.5	70.7	55.0	40.1	22.3	7.0	63.4	7421
APR		100.0	99.9	95.8	85.8	70.1	53.1	34.8	16.7	3.8	61.7	7192
MAY		100.0	100.0	99.4	94.2	84.5	69.9	51.7	30.8	8.6	69.6	7436
JUN		100.0	100.0	99.9	98.3	90.4	74.3	56.2	35.2	10.0	72.1	7200
JUL		100.0	100.0	99.9	98.6	92.1	79.0	60.3	36.6	10.3	73.4	7440
AUG		100.0	100.0	100.0	99.3	93.0	80.4	60.7	36.1	10.9	73.7	7440
SEP		100.0	100.0	100.0	99.0	92.8	78.7	57.9	34.8	9.7	72.8	7194
OCT		100.0	100.0	99.6	95.7	86.6	71.6	53.1	29.6	10.6	70.5	7439
NOV		100.0	100.0	98.9	91.5	78.4	61.7	44.6	25.7	7.1	66.5	7195
DEC		100.0	100.0	98.7	89.5	75.0	57.1	38.6	21.0	6.4	64.3	7432
TOTALS		100.0	99.9	98.3	92.4	81.1	65.5	47.4	27.7	8.3	67.8	87584

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

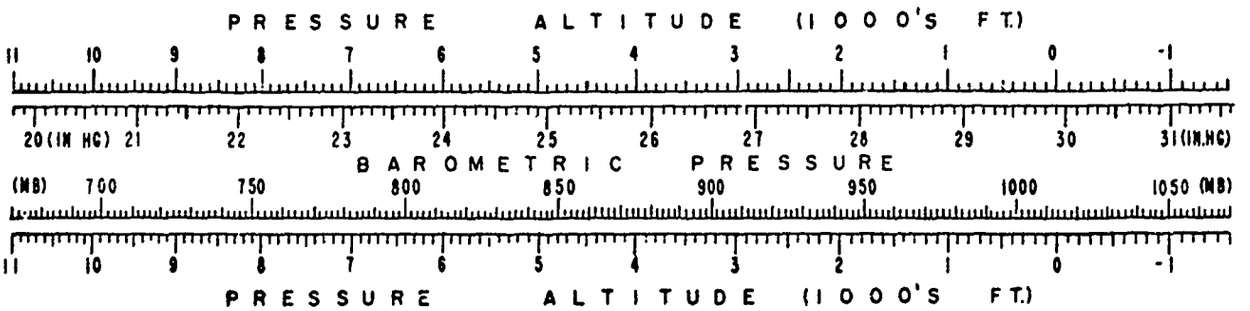
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



F

74-29967

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13702 — STATION
LANGLEY AFB, VA — STATION NAME
7-7 73-79 — YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	30.078	30.034	30.020	30.008	29.979	29.987	29.996	30.026	30.043	30.085	30.052	30.041	30.029
	S D	.270	.241	.242	.212	.173	.141	.123	.107	.132	.181	.218	.263	.202
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	30.080	30.028	30.008	30.000	29.974	29.979	29.989	30.017	30.032	30.076	30.047	30.041	30.023
	S D	.272	.235	.243	.219	.173	.142	.124	.109	.134	.183	.225	.267	.204
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	30.099	30.052	30.039	30.036	30.006	30.005	30.016	30.046	30.062	30.104	30.071	30.061	30.050
	S D	.273	.235	.252	.227	.176	.144	.124	.111	.135	.188	.226	.270	.206
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	30.132	30.074	30.053	30.042	30.012	30.013	30.026	30.058	30.074	30.122	30.092	30.090	30.066
	S D	.277	.241	.262	.233	.183	.148	.126	.113	.139	.194	.229	.272	.212
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	30.071	30.027	30.011	30.004	29.986	29.993	30.008	30.035	30.044	30.079	30.037	30.028	30.027
	S D	.276	.245	.264	.232	.185	.149	.127	.114	.144	.196	.224	.271	.211
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	30.057	29.996	29.974	29.969	29.952	29.965	29.978	30.006	30.014	30.057	30.020	30.019	30.001
	S D	.273	.245	.256	.224	.186	.148	.131	.112	.143	.195	.220	.263	.209
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	30.084	30.018	29.997	29.982	29.960	29.968	29.979	30.012	30.025	30.080	30.045	30.042	30.016
	S D	.269	.244	.246	.213	.177	.142	.127	.107	.138	.187	.216	.259	.204
	TOTAL OBS	310	280	310	300	310	300	310	310	300	310	300	309	3649
22	MEAN	30.094	30.033	30.026	30.011	29.987	29.996	30.005	30.037	30.047	30.097	30.058	30.050	30.037
	S D	.268	.244	.239	.207	.171	.139	.124	.107	.135	.183	.213	.261	.201
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	300	309	3650
ALL HOURS	MEAN	30.087	30.033	30.016	30.004	29.982	29.988	30.000	30.030	30.043	30.087	30.053	30.046	30.031
	S D	.273	.242	.251	.222	.179	.145	.127	.111	.139	.189	.222	.266	.207
	TOTAL OBS	2480	2253	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29211

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13702 (STATION) LANGLEY AFB,VA (STATION NAME) 7-70,73-79 (YEARS)

HRS (L S T)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	1019.3	1017.8	1017.3	1016.9	1015.9	1016.1	1016.5	1017.5	1018.0	1019.4	1018.3	1018.0	1017.6
	S D	9.112	8.189	8.201	7.164	5.874	4.775	4.175	3.659	4.474	6.151	7.407	8.895	6.833
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	1019.3	1017.6	1016.9	1016.6	1015.7	1015.9	1016.2	1017.2	1017.7	1019.2	1018.2	1018.0	1017.4
	S D	9.180	7.973	8.258	7.361	5.874	4.830	4.199	3.725	4.513	6.183	7.635	9.052	6.902
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	299	310	3650
07	MEAN	1020.0	1018.4	1017.9	1017.8	1016.8	1016.8	1017.2	1018.2	1018.7	1020.1	1019.0	1018.7	1018.3
	S D	9.206	8.019	8.545	7.670	5.955	4.886	4.221	3.782	4.559	6.349	7.671	9.131	6.993
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	1021.1	1019.2	1018.4	1018.0	1017.0	1017.1	1017.5	1018.6	1019.1	1020.7	1019.7	1019.7	1018.8
	S D	9.358	8.168	8.873	7.899	6.180	4.977	4.281	3.845	4.702	6.535	7.766	9.230	7.184
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	1019.0	1017.5	1017.0	1016.7	1016.1	1016.4	1016.9	1017.8	1018.1	1019.3	1017.9	1017.6	1017.5
	S D	9.328	8.334	8.944	7.907	6.284	5.027	4.306	3.882	4.864	6.636	7.595	9.142	7.155
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	1018.6	1016.5	1015.8	1015.5	1015.0	1015.4	1015.9	1016.8	1017.1	1018.5	1017.3	1017.2	1016.6
	S D	9.220	8.329	8.668	7.573	6.317	4.995	4.424	3.824	4.837	6.625	7.452	8.920	7.077
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	1019.5	1017.3	1016.5	1016.0	1015.3	1015.5	1015.9	1017.0	1017.4	1019.3	1018.1	1018.0	1017.2
	S D	9.086	8.298	8.331	7.195	6.013	4.823	4.305	3.658	4.673	6.310	7.320	8.780	6.923
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	300	309	3650
22	MEAN	1019.8	1017.8	1017.5	1017.0	1016.2	1016.5	1016.8	1017.9	1018.2	1019.9	1018.6	1018.3	1017.9
	S D	9.037	8.283	8.113	7.002	5.808	4.720	4.179	3.631	4.554	6.173	7.232	8.870	6.798
	TOTAL OBS	310	281	310	300	310	300	310	310	300	309	300	308	3648
ALL HOURS	MEAN	1019.6	1017.7	1017.2	1016.8	1016.0	1016.2	1016.6	1017.6	1018.1	1019.6	1018.4	1018.2	1017.7
	S D	9.206	8.220	8.520	7.503	6.067	4.903	4.291	3.789	4.683	6.396	7.532	9.018	7.013
	TOTAL OBS	2480	2254	2480	2400	2480	2400	2480	2480	2400	2478	2399	2477	29208

USAFETAC FORM JUL 64 0 89-5 (OLA)